

# **2021 Annual Status Report for the Devil's Gate Reservoir Restoration Project**

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**Los Angeles County, California**

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- Appendix A – Quarterly Compliance Reports (Quarter 1 2021 through Quarter 4 2021)  
 Appendix B – Phase 2 Mitigation Site As-Built Report

**LIST OF ACRONYMS AND ABBREVIATIONS**

<b>Term</b>	<b>Definition</b>
ASR	Annual Status Report
CDFW	California Department of Fish and Wildlife
CNDDDB	California Natural Diversity Database
ESA	Environmentally Sensitive Area
HRP	Habitat Restoration Plan
ISRA	Initial Sediment Removal Area
ITP	Incidental Take Permit
LACFCD	Los Angeles County Flood Control District
LACPW	Los Angeles County Public Works
MMRP	Mitigation Monitoring and Reporting Program
PEP	Plant establishment period
RAFSS	Riversidean Alluvial Fan Sage Scrub
RAMA	Routine Annual Maintenance Area
SAA	Streambed Alteration Agreement
USFWS	U.S. Fish and Wildlife Service
WOUS	Waters of the U.S.

## 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 third year of Project Activities (January 2021 through December 2021). 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 third ASR submitted in accordance with ITP Condition number 6.8. This report covers activities that were conducted at the Project site between January 1, 2021, and December 31, 2021. All Quarterly Compliance Reports prepared to cover the third 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 third ASR reporting period were related to sediment removal activities, including Project access and staging, vegetation removal, 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.

Location: N:\2014\2014-003\_008 Devils Gate Mitigation Plan\MapSvcs\_and\_mitigation\_monitoring\monitoring\2018\_Sediment\_Removal\VDG\_Veg\_Clearing\_detail\_202001209.mxd (MAG)-mgudry 12/17/2020

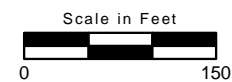
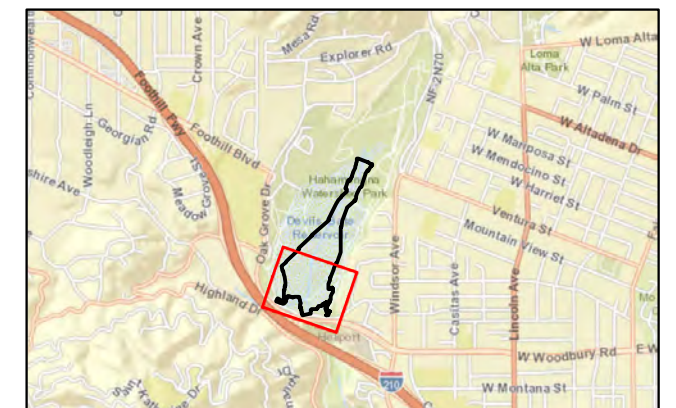


**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 1 of 3**

**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





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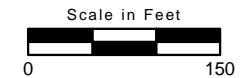
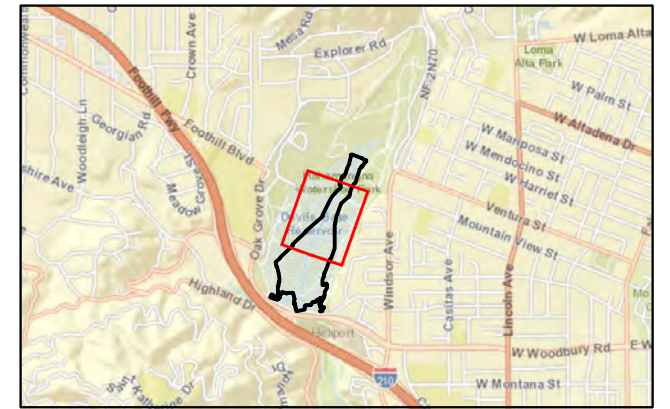


**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 2 of 3**

**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





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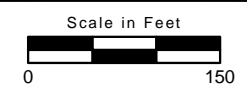
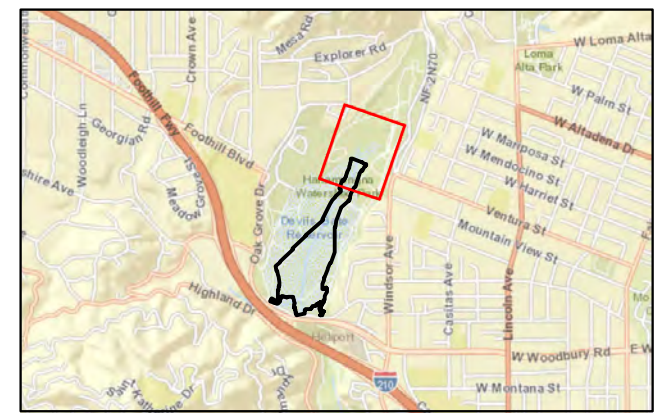


**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 3 of 3**

**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. The County is in the process of preparing an application for an amendment to the Streambed Alteration Agreement (SAA), which is expected to be finalized in 2022 so the 2022 ASR will provide the details on the changes to the Project resulting from the settlement agreement.

<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 third ASR reporting period also included onsite habitat restoration activities within the onsite mitigation areas. Tables 2 and 3 provides a summary of the mitigation areas included in Phase 1 and Phase 2 of the habitat restoration, associated acreages, and associated vegetation communities of onsite restoration activities that were completed in 2021. The approved mitigation areas are depicted on Figure 2. The Phase 2 Mitigation Site As-Built Report is included as Appendix B.



**Figure 2**  
**Devil's Gate Mitigation Areas**

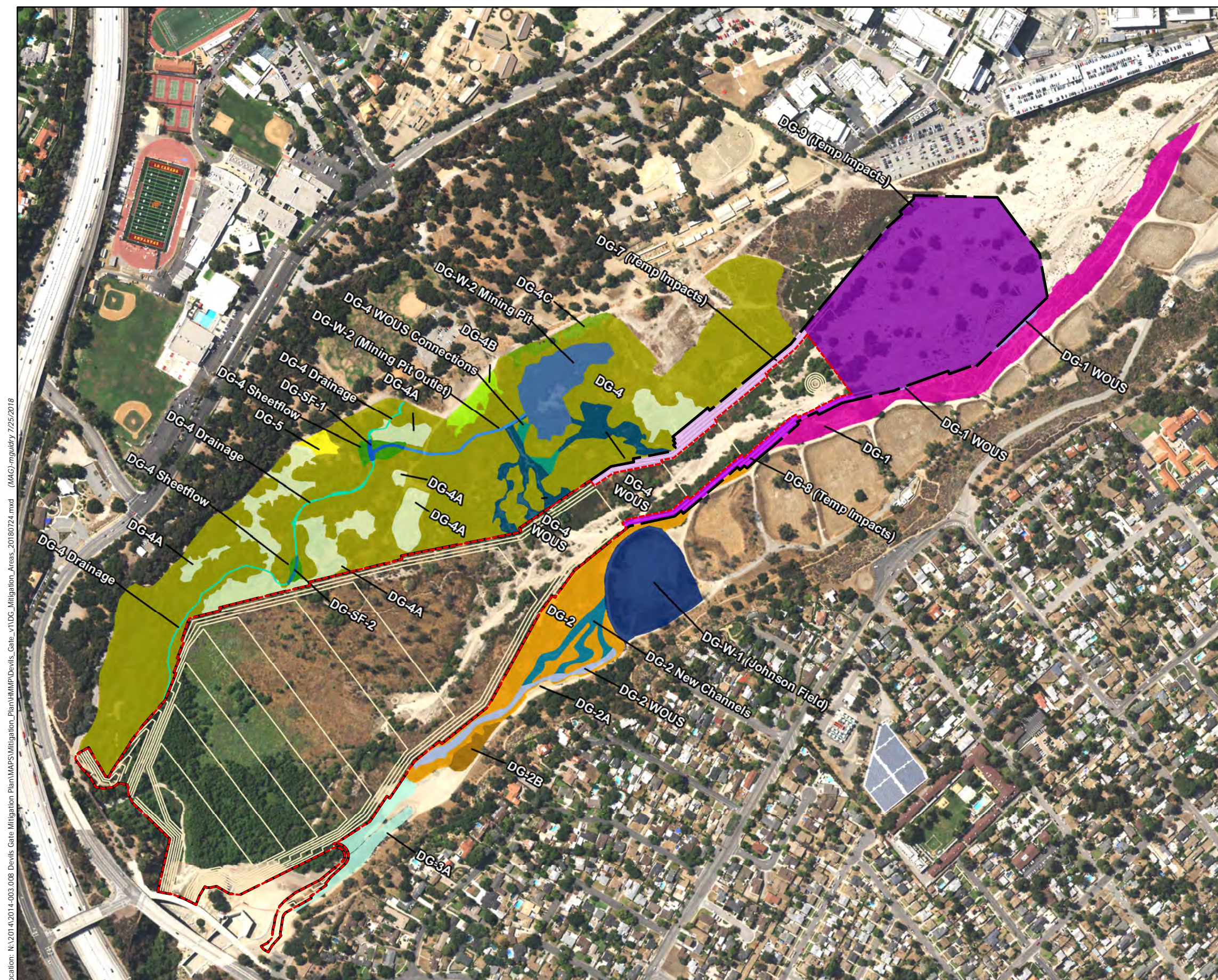
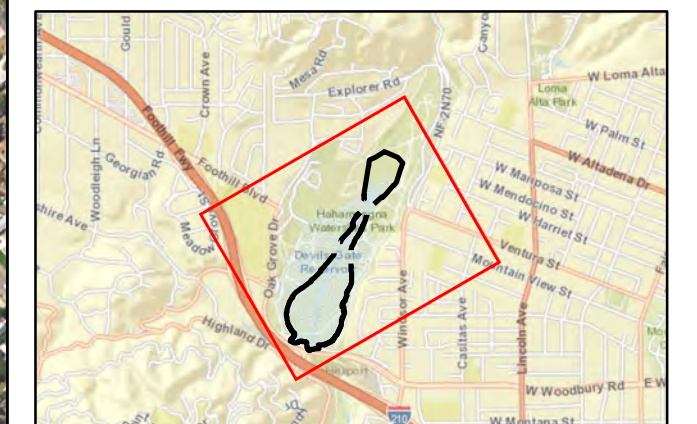
**Map Features**

- Initial Sediment Removal Footprint <sup>1</sup>
- Permanent Maintenance Footprint <sup>1</sup>
- Sediment Removal Excavation Contours <sup>1</sup>

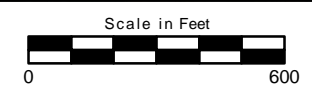
**Mitigation Areas**

- DG-1
- DG-1 WOUS
- DG-2
- DG-2 New Channels
- DG-2 WOUS
- DG-2A
- DG-2B
- DG-3A
- DG-4
- DG-4 Drainage
- DG-4 Sheetflow
- DG-4 WOUS
- DG-4 WOUS Connections
- DG-4A
- DG-4B
- DG-4C
- DG-5
- DG-7 (Temp Impacts)
- DG-8 (Temp Impacts)
- DG-9 (Temp Impacts)
- DG-SF-1
- DG-SF-2
- DG-W-1 (Johnson Field)
- DG-W-2 (Mining Pit)
- DG-W-2 (Mining Pit Outlet)

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Location: N:\2014\003.008 Devils Gate Mitigation Plan\HMP\Devils\_Gate\_v1\DC\_Mitigation\_Areas\_20180724.mxd (MAG) mguidry 7/25/2018



<b>Table 2. Summary of Phase 1 Mitigation Areas</b>				
<b>Restoration Area</b>	<b>Area Restored During Phase 1 (Acres)</b>	<b>Temporary Impacts Around Perimeter (Acres)<sup>1</sup></b>	<b>Total Acres</b>	<b>Vegetation Communities</b>
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
<b>Total Acres</b>			<b>34.80<sup>3</sup></b>	

<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 Lake or Streambed Alteration Agreement Amendment as the As-built will be refined in early 2021 in conjunction with As-built for Phase 2.

WOUS = Waters of the U.S.

<b>Table 3. Summary of Phase 2 Mitigation Areas</b>				
<b>Restoration Area</b>	<b>Target Vegetation Type</b>	<b>Mitigation Method</b>	<b>Acreage Excluding Easements</b>	<b>Total Acreage</b>
DG-W-1 (Johnson Field)	<i>Salix gooddingii</i> Woodland Alliance	Creation	3.01	3.44
DG-W-2 (Mining Pit)	<i>Salix gooddingii</i> Woodland Alliance	Restoration	1.98	2.12
DG-W-2 (Mining Pit Outlet)	<i>Salix gooddingii</i> Woodland Alliance	Creation	0.13	0.13
DG-2	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration -Enhancement	3.75	3.83
DG-2 New Channels	<i>Salix gooddingii</i> Woodland Alliance	Creation	0.83	0.83
DG-2 WOUS	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.75	0.75
DG-4A <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance	Creation	5.43	5.46
DG-4-Sheet Flow	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration -Enhancement	0.40	0.40
DG-SF-1	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.08	0.08
DG-SF-2 <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.03	0.03
DG-4-WOUS <sup>2</sup>	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration	1.84	1.88
DG-4-Drainage <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.49	0.49
<b>TOTAL</b>			<b>18.72</b>	<b>19.44</b>

<sup>1</sup> Weed abatement only

<sup>2</sup> Weed abatement and grading / contouring only

Figures 3 and 4 show additional habitat restoration activities completed the Phase 2 mitigation areas during the third 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.
- Planting of native container plants from the approved planting palette included in the Final Habitat Restoration Plan (HRP).
- Hand seeding with the approved native seed mix from the HRP.

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 was implemented in early 2021 and was completed in May 2021. The as-built report for the Phase 2 areas was completed shortly after the completion of the restoration implementation efforts and is included as Appendix B.

## **2.2 Project Activities**

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

- Project activities began on April 19, 2021 and continued through October 1, 2021.
- During the second quarter of 2021 the Project site was prepared for resuming sediment removal activities. A scale house and haul truck weighing stations were installed within the reservoir.
- Sediment removal hauling activities began on May 17, 2021 and were completed on August 10, 2021. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators and front loaders.
- During the second quarter emergent vegetation was removed along the Environmentally Sensitive Area (ESA) fence line and the ESA fence line was installed around the perimeter of the Project site boundaries.
- During the third quarter the 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. During the third quarter the ESA fencing was removed entirely after the completion of the initial sediment removal.
- Access roads to exit the reservoir at the western end were refined and maintained throughout the sediment removal period. The final access roads were completed during the third quarter of 2021.
- During the second quarter small areas of emergent vegetation were cleared using skip loaders, backhoes, and bulldozers 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 site boundaries and monitored by the Designated Biologist onsite.

- Project demobilization activities occurred from August 11 through October 1, 2021.
- Project demobilization activities included establishing side slopes around the Project boundaries, ESA fence removal, removal of construction and staging materials, removal of construction equipment, establishing permanent haul roads, removing the tire washes, removing scales and scale houses, removing project trailers, removing sound wall and fencing, and installing a permanent chain link fence.

### 2.3 Habitat Restoration Activities

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

- Onsite habitat restoration activities resumed on January 4, 2021, and continued through December 31, 2021.
- Implementation of habitat restoration was conducted in the DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, DG-2 WOUS, DG-W-2 (Mining Pit), DG-W-2 Outlet, and DG-SF-1/DG-4 Sheet Flow mitigation areas and was completed during the second quarter of 2021 (May 2021). Grading activities and channel construction was completed using an excavator and bulldozer in the Phase 2 mitigation areas. Shovels and various hand tools were used to lay irrigation.
- Ongoing maintenance was performed throughout the third ASR reporting period. 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: tree of heaven (*Ailanthus altissima*), pigweed (*Amaranthus albus*), scarlet pimpernel (*Anagallis arvensis*), stinking chamomile (*Anthemis cotula*), Arundo (*Arundo donax*), annual ragweed (*Ambrosia artemisiifolia*), wild oat (*Avena fatua*), black mustard (*Brassica nigra*), ripgut brome (*Bromus diandrus*), red brome (*B. madritensis* ssp. *rubens*), cheatgrass (*B. tectorum*), Italian thistle (*Carduus pycnocephalus*), sedge sp. (*Carex* sp.), tocalote (*Centaurea melitensis*), lamb's quarters (*Chenopodium album*), nettle leaf goosefoot (*C. morale*), star thistle (*Centaurea solstitialis*), poison hemlock (*Conium maculatum*), dodder sp. (*Cuscuta* sp.), hounds tongue (*Cynoglossum officinale*), tall flatsedge (*Cyperus eragrostis*), Jesuit's tea (*Dysphania ambrosioides*), feathered geranium (*D. botrys*), Tasmanian goosefoot (*D. pumilio*), flax-leaved horseweed (*Erigeron bonariensis*), red-stemmed filaree (*Erodium cicutarium*), eucalyptus tree (*Eucalyptus* sp.) sprouts, petty surge (*Euphorbia peplus*), rattail sixweeks grass (*Festuca myuros*), common fig (*Ficus carica*), Shamel ash (*Fraxinus uhdei*), daisy (*Glebionis* sp.), short podded mustard (*Hirschfeldia incana*), common barley (*Hordeum vulgare*), prickly lettuce (*Lactuca serriola*), perennial pepperweed (*Lepidium latifolium*), lesser swine cress (*L. didymum*), cheese weed (*Malva neglecta*), horehound (*Marrubium vulgare*), pineapple weed (*Matricaria discoidea*), burclover (*Medicago polymorpha*), yellow sweetclover (*Melilotus indicus*), tree tobacco (*Nicotiana glauca*), Virginia creeper vines (*Parthenocissus quinquefolia*), Jerusalem thorn (*Parkinsonia aculeata*), common passion flower (*Passiflora*

*caerulea*), smilgrass (*Piptatherum miliaceum*), Indian plantain (*Plantago arenaria*), English plantain (*P. lanceolata*), wild radish (*Raphanus sativus*), castor bean (*Ricinus communis*), Himalayan blackberry (*Rubus armeniacus*), curly dock (*Rumex crispus*), Russian thistle (*Salsola tragus*), sow thistle (*Sonchus oleraceus*), corn spurry (*Spergula arvensis*), tamarisk (*Tamarix sp.*), puncturevine (*Tribulus terrestris*), and annual stinging nettle (*Urtica urens*), were removed from DG-1, DG-W-1 (Johnson Field), DG-W-2, DG-W-2 Mining Pit, DG-W-2 Mining Pit Outlet, DG-2, DG-2A, DG-2B, DG-2 New Channels, DG-2-WOUS, DG-3A, DG-3B, DG-4, DG-4-WOUS, DG-4 Sheet flow, DG-4 Drainage, DG-4A, DG-4B, DG-4C, DG-4-Drainage, DG-SF-1, DG-5 and DG-8 onsite restoration areas. 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 third 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.
- In the first quarter of 2021, irrigation systems were installed in DG-W-1, DG-2, DG-2 New Channels, and DG-2-WOUS. In the second quarter, irrigation systems were installed in DG-W-2, DG-W-2 Mining Pit, and DG-W-2 Mining Pit Outlet. Irrigation systems were maintained at existing on-site restoration areas throughout the third ASR reporting period.
- During the first quarter of 2021 container plants were installed in DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, DG-2-WOUS, DG-W-2 (Mining Pit), DG-W-2 Outlet, and DG-SF-1/DG-4 Sheet Flow in accordance with the final Habitat Restoration Plan for the Project. Holes for container plants were hand-dug, dug using a handheld auger, or dug using a small excavator with auger attachment. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), mule fat (*Baccharis salicifolia*), Fremont's cottonwood (*Populus fremontii*), California wildrose (*Rosa californica*), California blackberry (*Rubus ursinus*), black willow (*Salix gooddingii*), red willow (*Salix laevigata*), arroyo willow (*Salix lasiolepis*), Mexican elderberry (*Sambucus mexicana*), and blue elderberry (*Sambucus nigra ssp. caerulea*). During the second quarter container plants were installed in DG-W-2, DG-W-2 Mining Pit, DG-W-2 Mining Pit Outlet in accordance with the final Habitat Restoration Plan for the Project. Holes for container plants were hand-dug or dug using a mini-excavator auger attachment. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), mulefat (*Baccharis salicifolia*), Fremont's cottonwood (*Populus fremontii*), black willow (*Salix gooddingii*), red willow (*Salix laevigata*), arroyo willow (*Salix lasiolepis*), 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.

- During the first quarter of 2021 native plant seeds were broadcasted into DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, and DG-2-WOUS. Seeds were spread using a seed broadcaster and then raked into the soil. The native seed mix broadcasted during this reporting period included the following species: bicolored lupine (*Lupinus bicolor*), chilicothe (*Marah macrocarpa*), caterpillar phacelia (*Phacelia cicutaria*), common phacelia (*Phacelia distans*), California bluebell (*Phacelia minor*), ladies' tobacco (*Pseudognaphalium californicum*), and hummingbird monardella (*Monardella macrantha*). During the second quarter native plant seeds were broadcasted into DG-W-2 Mining Pit. Seeds were hand spread and then raked into the soil. The native seed mix broadcasted during this reporting period included the following species: common yarrow (*Achillea millefolium*), yerba mansa (*Anemopsis californica*), California mugwort (*Artemisia douglasiana*), wild tarragon (*Artemisia dracunculus*), California brome grass (*Bromus carinatus*), island false bindweed (*Calystegia macrostegia ssp. intermedia*), tall flatsedge (*Cyperus eragrostis*), giant wild rye (*Elymus condensatus*), beardless wild rye (*Elymus triticoides*), California poppy (*Eschscholzia californica*), California matchweed (*Gutierrezia californica*), bicolored lupine (*Lupinus bicolor*), chilicothe (*Marah macrocarpa*), caterpillar phacelia (*Phacelia cicutaria*), common phacelia (*Phacelia distans*), California bluebell (*Phacelia minor*), ladies' tobacco (*Pseudognaphalium californicum*), and stinging nettle (*Urtica dioica ssp. holosericea*).
- Silt fencing was installed around DG-3A Alta Dena drain in the third quarter to help prevent snake mortalities during use of the haul road. The silt fencing was removed after hauling operations were complete.
- During the third quarter the ESA fencing was removed entirely after the completion of the initial sediment removal.
- During the third quarter wooden post barrier fencing was installed around the restoration areas using an auger attachment to a mini-excavator. ESA signage was installed onto the barrier posts at regular intervals around the restoration areas.

### 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. Surveys continued weekly, with the final survey occurring 24 hours before construction began. A total of 8 preconstruction least Bell's vireo surveys were conducted between March 1 and April 17, 2021. Surveys were conducted by Designated Biologists approved by CDFW and the U.S. Fish and Wildlife Service (USFWS).

No least Bell's vireos were documented within 500 feet of the Project site during preconstruction surveys conducted during the 2021 breeding season. The preconstruction least Bell's vireo survey report was included as an Appendix to the second Quarter Compliance Report for 2021 included in Appendix A.

### **3.2 Breeding Season Surveys**

Per Condition 7.3.4 of the ITP, twice-weekly focused surveys began April 18, 2021 and continued through the end of the breeding season (September 15, 2021) during the third ASR reporting period. Surveys were conducted by Designated Biologists approved by CDFW and USFWS. A total of 43 focused breeding season least Bell's vireo surveys were conducted during the 2021 breeding season.

No observations of least Bell's vireo were documented on the Project site during the focused breeding season surveys during the 2021 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 2021, included in Appendix A. In the third quarter of 2021, reports of least Bell's vireo sightings on August 1 and 8, 2021, were received by ECORP from a local resident birder that frequents the site for recreation. Both observations were of vocalizing individuals. On August 16 and 19, 2021, individual least Bell's vireos were observed foraging within the on-site habitat restoration areas by Designated Biologists monitoring on-site habitat restoration activities. It is unknown if all the observations in August 2021 were of the same individual or different individuals. Given the timing of the observations, it is not likely that the individuals were engaged in breeding activities at the Project site. The observations of the least Bell's vireo individuals were submitted to the California Natural Diversity Database (CNDDDB) on August 23, 2021. Copies of the CNDDDB submissions are included as Appendix B in compliance with Condition 6.9 of the ITP of the third quarter report in Appendix A.

## **4.0 ADHERENCE TO ITP CONDITIONS**

All provisions in the ITP were adhered to during Project activities conducted during the third ASR reporting period. No non-compliances occurred during the third 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**

### **5.1 MMRP Implementation Status**

Per Condition 6.8 of the ITP, Table 4 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 4. Devil's Gate Mitigation Monitoring and Reporting Program							
MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<b>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/2018 – 10/1/2021	A qualified biologist was present during all initial vegetation-disturbing project-related activities during the third 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.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/2018 - 12/31/2021	Worker education training was provided to all project personnel. This measure was completed during the third ASR reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/2018 - 11/27/2018, 3/15/2019 - 4/14/2019 3/16/2020 – 5/19/2020 3/1/2021- 4/17/2021	Preconstruction surveys for sensitive species and least Bell's vireo were conducted prior to the initiation of project activities in the third 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

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
							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 2021 included in Appendix A. This measure was completed during the first ASR reporting period and continued through the third ASR reporting period.
<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 3/1/2021- 4/16/2021	No bird exclusionary measures were implemented during the third 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 April 19, 2021. 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. Monitoring of active bird nests continued through the end of the

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
							nesting bird season during the third quarter of 2021. This measure was completed during the first ASR reporting period and continued 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 2021. 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</p>	Reservoir Management <ul style="list-style-type: none"> <li>• Prepare Habitat Restoration Plan</li> <li>• Identify/Map</li> </ul>	Reservoir Management <ul style="list-style-type: none"> <li>• Identify Reference Sites</li> <li>• Conduct Qualitative</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

**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
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.</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> </ul> </li> </ul>	Mitigation Sites <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>	and Quantitative Monitoring <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>					2018. 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 during the second ASR reporting period. Restoration of Riversidean Alluvial Fan Sage Scrub habitats were not included in the Phase 2 restoration areas.

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>○ 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> <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>	<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 2021 reporting period. Restoration activities were continued

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
							during the third ASR 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. <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> </ul> </li> </ul> </li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>• Prepare Habitat Restoration Plan</li> <li>• Identify/Map Mitigation Sites</li> <li>• Install Plant Materials</li> <li>• Monitor Installation</li> <li>• Install Irrigation, if Necessary</li> <li>• Prepare As-Built Report</li> <li>• Conduct Maintenance</li> <li>• Prepare Monitoring Reports</li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>• Identify Reference Sites</li> <li>• Conduct Qualitative and Quantitative Monitoring</li> <li>• Conduct Maintenance</li> <li>• Implement Adaptive Management Measures, if Necessary</li> <li>• Prepare Monitoring Reports</li> <li>• Prepare Annual Reports</li> <li>• Achieve Mitigation Site Sign- Off</li> </ul>	Los Angeles County Flood Control District	Less than significant		11/19/2018 – 12/31/2021	Restoration activities of riparian habitats, sensitive natural communities, and jurisdictional waters were initiated in November 2018 and were ongoing during the second and third ASR reporting periods. The Habitat Restoration Plan was prepared, mitigation sites were identified and mapped, plant materials and irrigation were installed, and As-Built Reports were prepared for Phase 1 and Phase 2 restoration areas. In addition, monitoring reports were provided for monitoring conducted during the plant establishment period (PEP), horticultural monitoring, and annual botanical monitoring. The implementation of this measure was partially completed during the first and second ASR reporting period and is ongoing.

**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>○ 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.

## 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 4 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 third 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 third 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 third ASR reporting period. The worker education program included a PowerPoint presentation as well as educational handouts provided to each worker. This measure ensured that all personnel who worked on the Project during the third 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 third 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 third ASR reporting period. Two-striped garter snake were observed on site. Reptile fencing was placed along the entry road to prevent herpetofauna from crossing the entry road. Biologist surveillance was increased along the main road areas to avoid mortality events. This measure was effective as written during the third 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 third 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 third 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 third ASR reporting period.

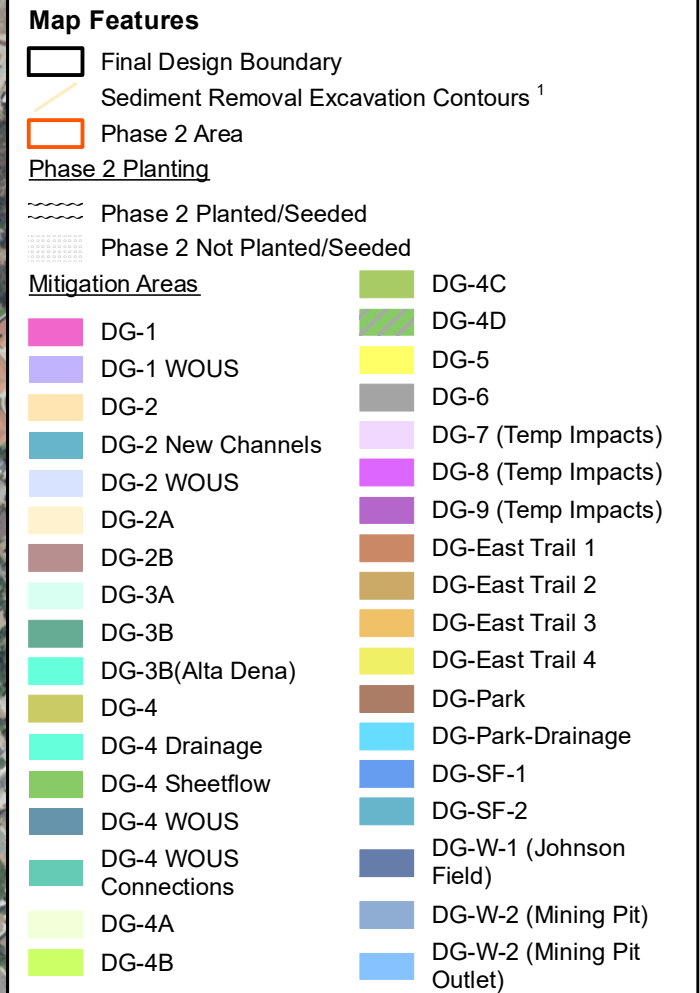
**MM BIO-5: Preconstruction Bat Survey.** Preconstruction bat surveys were not conducted during the third ASR reporting period because no roosting bat habitat was to be affected during the third ASR reporting period. This measure was not necessary or implemented during the third ASR reporting period.

**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, and third, ASR reporting period. The HRP was implemented during the third 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. No restoration of RAFSS habitat was initiated during the third ASR reporting period and was not included as part of Phase 2 restoration activities. 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 third ASR reporting period.

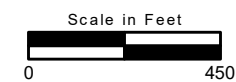
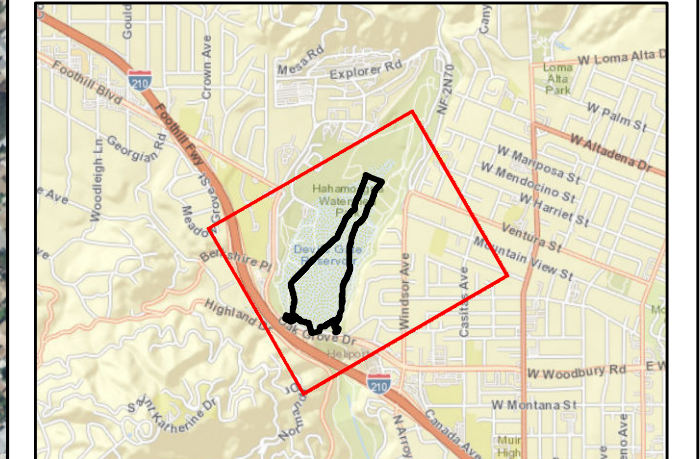
**MM BIO-7: City-Protected Tree Surveys.** Preconstruction City-protected tree surveys were conducted prior to the initiation of Project activities at the Project site. The requirement to replace impacted and removed canopy for native tree species at a 1:1 ratio was an effective way to mitigate for Project 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 third ASR reporting period.

Location: N:\2014\2014-003.008 Devils Gate Mitigation Plan\WPS\restorationanalysis\2021-06-07 Phase 2 Planting\DG\_Restoration\_Phase2\_20210607.mxd (MAG) mguldry 7/2/2021

### Figure 3. Devil's Gate Mitigation Area Phase 2 Planting Areas



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\WPS\restorationanalysis\2021-06-07 Phase 2 Planting\DG\_Grading\_Phase2\_20210607.mxd (MAG) - mgridtry 7/2/2021

Figure 4. Devil's Gate Mitigation Area Phase 2 Grading Areas

Map Features

- Final Design Boundary
- Sediment Removal Excavation Contours<sup>1</sup>

Grading

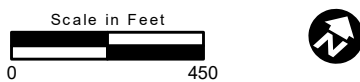
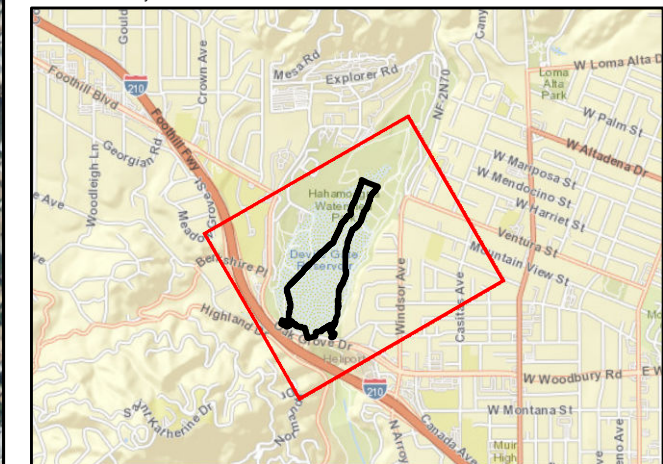
- Phase 2 Grading Area

Mitigation Areas

- DG-1
- DG-1 WOUS
- DG-2
- DG-2 New Channels
- DG-2 WOUS
- DG-2A
- DG-2B
- DG-3A
- DG-3B
- DG-3B(Alta Dena)
- DG-4
- DG-4 Drainage
- DG-4 Sheetflow
- DG-4 WOUS
- DG-4 WOUS Connections
- DG-4A
- DG-4B
- DG-4C
- DG-4D
- DG-5
- DG-6
- DG-7 (Temp Impacts)
- DG-8 (Temp Impacts)
- DG-9 (Temp Impacts)
- DG-East Trail 1
- DG-East Trail 2
- DG-East Trail 3
- DG-East Trail 4
- DG-Park
- DG-Park-Drainage
- DG-SF-1
- DG-SF-2
- DG-W-1 (Johnson Field)
- DG-W-2 (Mining Pit)
- 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



**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, and third, ASR reporting periods. The HRP continued to be implemented in the third 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 third ASR reporting period.

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

No Project-related incidental take of the Covered Species occurred during the third ASR reporting period.

### **5.4 Project Impacts on the Covered Species**

No direct or indirect impacts on least Bell's vireo occurred during the third 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 and Phase 2 mitigation areas as evidenced by the results described in the Phase 1 and Phase 2 annual monitoring reports.

## **LIST OF APPENDICES**

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Appendix A – Quarterly Compliance Reports (Quarter 1 2021 through Quarter 4 2021)

Appendix B – Phase 2 Mitigation Site As-Built Report

Quarterly Compliance Reports (Quarter 1 2021 through Quarter 4 2021)

# Devil's Gate Reservoir Restoration Project First Quarter Compliance Report Activities Occurring Between January 2021 and March 2021

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**May 6, 2021**

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Appendix A: Habitat Restoration 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 first quarter of 2021 (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 tenth report (Quarterly Compliance Report Number 10) 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, 2021.

## 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 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 March 31, 2021. Surveys continued weekly through the end of the first quarter reporting period as the start of ground-disturbing construction activities was delayed into April. A total of five focused least Bell's vireo preconstruction surveys were conducted during the first quarter of 2021. Table 1 shows the

preconstruction least Bell's vireo survey dates during the first quarter 2021 reporting period and the Designated Biologists that surveyed on each date.

<b>Date</b>	<b>Designated Biologist</b>
03/01/21	Christine Tischer
03/09/21	Christine Tischer
03/18/21	Christine Tischer
03/26/21	Christine Tischer
03/29/21	Lauren Simpson

No least Bell's vireos were observed or detected during the preconstruction surveys in the first quarter of 2021. The preconstruction least Bell's vireo surveys continued into the second quarter of 2021, and three surveys occurred 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 included in the subsequent second quarter 2021 compliance report.

Preconstruction surveys for nesting birds were initiated on March 1, 2021 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 2021 and active bird nests on the Project site were protected by no-work buffers enforced by Designated Biologists daily.

## **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 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 2 shows Project working dates and the biological monitors that were present on each date.

Devil's Gate Reservoir Restoration Project  
First Quarter 2021 Compliance Report

**Table 2. Monitors Onsite During Work Days.**

Date	Restoration Monitors
01/04/21	Michael Walsh
01/05/21	Michael Walsh
01/06/21	Michael Walsh
01/07/21	Michael Walsh
01/08/21	Margie Pfeffer
01/11/21	Michael Walsh & Margie Pfeffer
01/12/21	Michael Walsh & Deven Kammerichs-Berke
01/13/21	Michael Walsh & Margie Pfeffer
01/14/21	Michael Walsh & Deven Kammerichs-Berke
01/15/21	Margie Pfeffer & Amy Plesetz
01/18/21	Michael Walsh & Margie Pfeffer
01/19/21	Michael Walsh & Deven Kammerichs-Berke
01/20/21	Michael Walsh & Deven Kammerichs-Berke
01/21/21	Deven Kammerichs-Berke
01/22/21	Deven Kammerichs-Berke
01/25/21	Michael Walsh & Amy Plesetz
01/26/21	Michael Walsh & Deven Kammerichs-Berke
01/27/21	Michael Walsh & Deven Kammerichs-Berke
01/28/21	Michael Walsh & Deven Kammerichs-Berke
01/29/21	No Work – Rain
02/01/21	Michael Walsh & Margie Pfeffer
02/02/21	Michael Walsh & David Wappler
02/03/21	Michael Walsh & David Wappler
02/04/21	Michael Walsh & Deven Kammerichs-Berke
02/05/21	Amy Plesetz & Deven Kammerichs-Berke
02/08/21	Michael Walsh & Amy Plesetz
02/09/21	Michael Walsh & Amy Plesetz
02/10/21	Michael Walsh & Amy Plesetz
02/11/21	Michael Walsh & Deven Kammerichs-Berke
02/12/21	Deven Kammerichs-Berke
02/15/21	No Work – Holiday
02/16/21	Michael Walsh & Amy Plesetz
02/17/21	Michael Walsh & Amy Plesetz
02/18/21	Michael Walsh & Deven Kammerichs-Berke
02/19/21	Margie Pfeffer & Deven Kammerichs-Berke
02/22/21	Michael Walsh & Amy Plesetz
02/23/21	Michael Walsh & Amy Plesetz
02/24/21	Michael Walsh & Amy Plesetz
02/25/21	Michael Walsh & Margie Pfeffer
02/26/21	Margie Pfeffer & David Wappler
03/01/21	Scott Werner & Michael Walsh
03/02/21	Michael Walsh & Margie Pfeffer
03/03/21	Michael Walsh & Amy Plesetz
03/04/21	Michael Walsh & Amy Plesetz
03/05/21	Margie Pfeffer & Amy Plesetz
03/08/21	Scott Werner & Michael Walsh
03/09/21	Michael Walsh & David Wappler
03/10/21	No Work – Rain
03/11/21	Michael Walsh & Amy Plesetz
03/12/21	Scott Werner & Margie Pfeffer
03/15/21	Scott Werner & Michael Walsh
03/16/21	Scott Werner & Michael Walsh
03/17/21	Scott Werner & Michael Walsh

Table 2. Monitors Onsite During Work Days.	
Date	Restoration Monitors
03/18/21	Michael Walsh & Margie Pfeffer
03/19/21	Michael Walsh & Amy Plesetz
03/22/21	Scott Werner & Michael Walsh
03/23/21	Scott Werner & Michael Walsh
03/24/21	Scott Werner & Michael Walsh
03/25/21	Michael Walsh & Margie Pfeffer
03/26/21	Michael Walsh & Amy Plesetz
03/29/21	Scott Werner & Michael Walsh
03/30/21	Scott Werner & Michael Walsh
03/31/21	Michael Walsh
No construction monitoring occurred because no construction activities occurred during the first quarter 2021 reporting period.	

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

### 2.3 Project Activities

No construction related Project activities were conducted onsite during the first quarter 2021 reporting period.

### 2.4 Habitat Restoration Activities

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

- Restoration activities continued from January 4, 2021 through March 31, 2021.
- Low-growing non-native plants including perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), shortpod mustard (*Hirschfeldia incana*), horehound (*Marrubium vulgare*), curly dock (*Rumex crispus*), passion vine (*Passiflora* sp.), small nettle (*Urtica urens*), lamb's quarters (*Chenopodium album*), tumble mustard (*Sisymbrium* sp.), shepard's purse (*Capsella bursa-pastoris*), burclover (*Medicago* sp.), henbit (*Lamium* sp.), starwort (*Stellaria* sp.), Mediterranean grass (*Schismus barbatus*), poison hemlock (*Conium maculatum*), ripgut brome (*Bromus diandrus*), cheatgrass (*Bromus tectorum*), red stemmed filaree (*Erodium cicutarium*), common barley (*Hordeum vulgare*), and wild oat (*Avena fatua*) were removed from the DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-2, DG-2A, DG-2B, DG-2 New Channels, DG-2-WOUS, DG-4, DG-4 Sheetflow, DG-4 Drainage, DG-4A, DG-4B, DG-4C, DG-SF-1, and DG-5 onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Small eucalyptus trees (*Eucalyptus* sp.), regrowth of eucalyptus tree stumps, and queen palm trees (*Syagrus romanzoffiana*) 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.

- Irrigation systems were installed in DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, and DG-2-WOUS in preparation for the installation of container plants.
- Container plants were installed in DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, and DG-2-WOUS in accordance with the final Habitat Restoration Plan for the Project. Holes for container plants were hand-dug, dug using a handheld auger, or dug using a small excavator with auger attachment. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), mule fat (*Baccharis salicifolia*), Fremont's cottonwood (*Populus fremontii*), California wildrose (*Rosa californica*), California blackberry (*Rubus ursinus*), black willow (*Salix gooddingii*), red willow (*Salix laevigata*), arroyo willow (*Salix lasiolepis*), Mexican elderberry (*Sambucus mexicana*), and blue elderberry (*Sambucus nigra* ssp. *caerulea*).
- Native plant seeds were broadcasted into DG-W-1 (Johnson Field), DG-2, DG-2 New Channels, and DG-2-WOUS. Seeds were spread using a seed broadcaster and then raked into the soil. The native seed mix broadcasted during this reporting period included the following species: bicolored lupine (*Lupinus bicolor*), chilicothe (*Marah macrocarpa*), caterpillar phacelia (*Phacelia cicutaria*), common phacelia (*Phacelia distans*), California bluebell (*Phacelia minor*), ladies' tobacco (*Pseudognaphalium californicum*), and hummingbird monardella (*Monardella macrantha*).

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

### **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, 2021 to June 30, 2021.

### **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 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>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	No initial ground- or vegetation-disturbing construction related activities occurred during the 2021 first quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2021 first quarter reporting period. See Table 2 for details.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	An initial training was conducted on the first day of construction (Nov 28, 2018). Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2021 first quarter reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/18 - 11/27/18, 3/15/19 - 4/14/19, 3/1/20 – 5/19/20 3/1/21 – ongoing	Preconstruction surveys for sensitive species were conducted by qualified biologists on March 17, 24, 25, 26, and 29, the results of which were prepared and sent to CDFW under a separate cover. Preconstruction least Bell's vireo surveys were initiated during the first week of March 2021. Least Bell's vireos were not documented during the first quarter 2021 reporting period. The implementation of this measure will be completed during the second quarter 2021 reporting period and will be discussed in the subsequent quarterly report (Quarter 2 2021).
<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	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 3/1/21 – ongoing	Preconstruction surveys for nesting birds started 30 days prior to the anticipated initiation of ground-disturbing activities inside the reservoir. Active bird nests within 500 feet of the Project site were documented and appropriate

**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>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>							no-work buffers were established. Designated Biologists monitored restoration activities daily during the nesting season during the first quarter 2021 reporting period. The implementation of this measure will be completed during the second quarter 2021 reporting period and will be discussed in the subsequent quarterly report (Quarter 2 2021).
<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>	<p>Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/06/2018 – 11/08/2018</p>	<p>Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2021 first quarter reporting period.</p>
<p><b>MM BIO – 6:</b> Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub.</li> <li>Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will</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> </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</li> </ul>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/19/18 - ongoing</p>	<p>Restoration activities were continued during the 2021 first quarter reporting period.</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
<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>	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



**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>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>	<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>					<p>measure were required during the 2021 first quarter reporting period. Restoration activities were continued during the 2021 first quarter reporting period.</p>
<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	<p>Restoration activities were continued during the 2021 first quarter reporting period.</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
<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 – Habitat Restoration Monitoring Logs

Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	61 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 working on irrigation laying and pipe fusing in DG-W-1, Margie was also in the field for the first part of the day.

**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, ANHU, WCSP, NOFL, RUHU, MALL, RNDU, AMWI, KILL, COHA, COHU, LEGO, SAPH, BEWR, BLPH, YRWA, COYE, CATH, CAKI, TUVU, ACWO, AMCR, RTHA, coyote, western fence lizard.

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

**Log Entry**

0645: crew began moving irrigation lines on the northeast side of the Johnson field. Observed 4 coyotes crossing the central wash, no discernible age differences.

0650: surveyed DG-2 to plan marking up the ground for planting with Daniel and Margie. Found a large washout slightly west of DG-3.

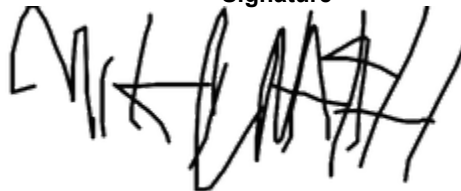
0845: Margie headed home for the day, continued monitoring irrigation work.

1400: inspected site and took photos.

**Additional Comments**

N/A

Signature





**photo\_1-new\_irrigation\_path\_facingE.jpg**  
-118.17102 34.19184



**photo\_2-washout\_facingE.jpg**  
-118.17383 34.1872



photo\_3-washout\_facingW.jpg  
-118.17344 34.1869

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	66 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 working on irrigation in DG-W-1, hand pulling poison hemlock in DG-2, and spraying guide dots for irrigation and plants in DG-W-1/DG-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:**

WCSP, AMCR, CASJ, CALT, CATH, ACWO, SPTO, ANHU, CAFI, RUHU, NOFL, CEDW, BEWR

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

**Log Entry**

0645: monitored irrigation maintenance in DG-W-1. Crew dug several trenches during this process to bury ½ inch lines.

0900: used spray paint to make guides for plants/irrigation lines in DG-2 with Charlie.

1200: finished this task, moved into DG-W-1.

1330: monitored vegetation clearing in DG-2.

1415: crew began wrapping up pulling while I took photos and inspected the site.

**Additional Comments**

N/A

Signature







photo\_1-line\_maintenance\_facingW.jpg  
-118.17166 34.192



photo\_2-DG-W-1\_spraypaint\_dots\_facingE.jpg  
-118.17164 34.19203



photo\_3-crew\_digging\_trench\_facingN.jpg  
-118.17118 34.19177



photo\_4-DG-W-1\_spraypainting\_dots\_facingN.jpg  
-118.17156 34.19212

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Mike Walsh**  
**Date of Log: January 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	25 %
<b>End of Day</b>	14:40	73 °F	4-6 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 hand pulling poison hemlock in DG-2, setting up irrigation lines in DG-W-1 and DG-2, and spraying guides for plants 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:**

CALT, CASJ, ANHU, HOFI, ACWO, AMCR, SPTO, WCSP, CAQU, CATH

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

**Log Entry**

0645: monitored vegetation clearing in DG-W-1, worked on guide dots for planting with Charlie nearby in DG-W-1.

1130: vegetation clearing crew wrapped up hand pulling to tarp up pulled plants.

1200: vegetation clearing crew moved into DG-W-1 and worked on setting up irrigation.

1410: inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-DG-2\_before\_pulling\_facingS.jpg  
-118.17183 34.19039



photo\_2-DG-2\_after\_pulling\_facingS.jpg  
-118.17183 34.19041



photo\_3-irrigation\_setup\_facingN.jpg  
-118.17191 34.19175



photo\_4-spraypaint\_guide\_dots\_facingNE.jpg  
-118.17195 34.19184

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: January 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	20 %
<b>End of Day</b>	14:30	71 °F	0-3 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 digging trenches, laying irrigation lines, hand pulling poison hemlock, and spray painting dots to be used as guides for plants in DG-W-1 and DG-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:**

CASJ, CATH, WCSP, CALT, ACWO, CAFI, CAQU, ANHU, LEGO, BUSH, HOFI, MALL, RNDU, CORA, SPTO, SOSP, OATI, NUWO, RTHA, BLPH, NOFL, YRWA, TUVU, AMCR, MODO, AMKE

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

**Log Entry**

0645: monitored trench digging in DG-W-1.

0650: oversaw spraying of guide dots with Charlie while trench digging crew continued nearby.

0915: monitored vegetation clearing in DG-2.

0930: found an old coyote den which appears dilapidated and not in use in DG-2. This was put in collector.

1300: wrapped up spraying for the day, had Charlie join the weed pulling crew and monitored their efforts.

1400: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





**photo\_1-DG-2\_before\_pulling\_facingN.jpg**  
-118.17181 34.19043



**photo\_2-DG-2\_after\_pulling\_facingN.jpg**  
-118.17178 34.1912



photo\_3-guide\_dots\_facingS.jpg  
-118.17147 34.19084



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: January 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	0-3 MPH	5 %
<b>End of Day</b>	14:00	71 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (5) clearing non-native thatch and laying irrigation in DG-W-1, DG-2, 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:**

Desert cottontail, coyote, CASJ, CALT, ANHU, AMKE, CORA, RCKI, WCSP, LEGO, ACWO, SAPH, BEWR, RTHA

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

**Log Entry**

0645 gave WEEP training to new Labor Finders employee (William). Crew continuing to clear dead, non-native vegetation ahead of laying irrigation hoses in pockets along DG-2 new channels and DG-2.

0945 showed crew member where to continue marking plants on edges of Johnson Field. Another crew member is laying out irrigation in the same areas.

1015 showed foreman where to use weed whacker to clear dead mustard in DG-2 at southwest corner of DG-W-1.

1215 marked out limits of DigAlert survey area with white paint.

1400 crew stopped pulling and began tarping vegetation.

**Additional Comments**

N/A

**Signature**





**Thatch removal\_DG-2 new channels\_facing S.jpg**  
-118.17195 34.1909



**Weed-whacking in DG-2\_facing SW.jpg**  
-118.17223 34.19059



**Clearing dead weeds\_DG-2\_facing W.jpg**  
-118.17211 34.19135



**After\_tarpping cut vegetation.jpg**  
-118.17212 34.19145

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	10 %
<b>End of Day</b>	14:35	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 clearing vegetation (by hand and with a weed whacker) and laying irrigation in DG-2 and DG-W-1. Margie was also on site mapping the edges out.

**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, NOFL, CASJ, WCSP, RUHU, CATH, RTHA, LEGO, ACWO, CAQU, BEWR, SAPH, BUSH, WTSP, OATI, YRWA, HOFI

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

**Log Entry**

0645: gave weep training to a new crew member.

0700: monitored vegetation clearing in DG-2 while a few crew members laid irrigation.

0730: moved vegetation clearing crew to pocket of DG-2 at edge of DG-W-1.

1030: both crews moved to DG-2.

1320: Margie left for the day.

1415: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-DG-2\_vegetation\_clearing\_before\_facingSW.jpg  
-118.17223 34.1903



photo\_2-DG-2\_vegetation\_clearing\_after\_facingSW.jpg  
-118.17224 34.19028



photo\_3-crew\_laying\_irrigation\_facingS.jpg  
-118.1716 34.19055

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: January 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	5 %
<b>End of Day</b>	13:20	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4) laying irrigation in DG-W-1, DG-2, and 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:**

CORA, CALT, ANHU, CASJ, LEGO, RTHA

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

**Log Entry**

0645 short tailboard meeting reminding crew of covid BMPs ahead of new crew starting tomorrow.

0700 Crew continues laying out irrigation on old road at southwest corner of Johnson Field, including areas in DG-W-1 and DG-2.

1000-1230 using sub-meter GPS, re-marked boundary between east-side mitigation areas and sediment removal area. Michael Walsh able to monitor both crews at once during this time.

1230 crew continuing to install irrigation in DG-2 and DG-2 new channels.

1315 irrigation work does not include ground disturbance or gas-powered machines, so monitor not needed. M.

Walsh will remain nearby monitoring weed removal.

**Additional Comments**

N/A

Signature





Laying irrigation\_DG-W-1\_facing W.jpg  
-118.17211 34.19127



Irrigation install in progress\_DG-2\_facing SW.jpg  
-118.17141 34.19075



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	20 %
End of Day	15:30	70 °F	0-3 MPH	85 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 digging holes for plants from separate office.

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, CALT, ACWO, CAQU, CATH, LEGO, MODO, CAKI, RTHA, YRWA, BLPH, NUWO, BEWR, NOFL

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: crew arrived on other side of site, drove over to us.

0700: gave weep training to the new crew and explained what we were doing today.

0745: monitored digging of planting holes in DG-W-1.

1030: began spray painting guide dots on the south end of DG-W-1.

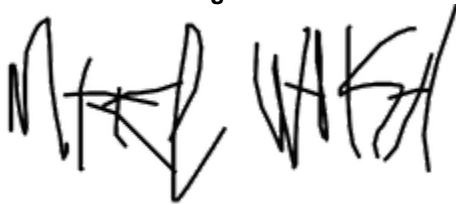
1200: got Charlie from the other crew to come help me with spraying guide dots.

1515: crew wrapped up while I spent a few minutes discussing progress with Daniel.

**Additional Comments**

N/A

Signature





**photo\_1-plant\_holes\_facingW.jpg**  
-118.17127 34.19192



**photo\_2-plant\_holes\_facingS.jpg**  
-118.17124 34.19189



**photo\_3-hole\_closeup\_facingW.jpg**  
-118.17112 34.19164



**photo\_4-guide\_dots\_facingNW.jpg**  
-118.17201 34.19123

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	50 %
<b>End of Day</b>	13:45	70 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

6-person Natures Image/LF Crew + 1 Stillwater bio working in DG-W-1, DG-2, DG-3A, handpulling and raking poison hemlock and other nonnatives.

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

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

**List of species observed while monitoring:**

MALL RNDU EAGR MODO CASJ CALT SPTO BEWR WCSP LEGO NOFL NUWO RTHA AMCR

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

**Log Entry**

0645-1345 crew working in area just south of Johnson Field. 3 crew members doing irrigation work from 0645-0730, then joined the rest of the crew doing weed vegetation work. Daniel Holmes used a chainsaw to cut down a non-native palm tree in Johnson field at 0945.

**Additional Comments**

N/A

**Signature**





**vegetation clearing\_before\_facing W.jpg**



**Palm chopping\_johnson field\_after.jpg**



**Vegetation clearing\_after\_facingSW.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: January 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	68 °F	0-3 MPH	55 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling perennial pepperweed, poison hemlock, and mustard in DG-2; along with a second NI crew of 6 digging planting holes.

**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, WCSP, SPTO, CATH, AMCR, ANHU, NOFL, ACWO, WREN, SAPH, LEGO, BGGN, BUSH, OATI, BLPH, RCKI, YRWA, CORA, HOFI, western fence lizard.

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

**Log Entry**

0645: briefly monitored both crews, one of whom was digging planting holes in DG-W-1 while the other was ~100 m away pulling hemlock in DG-2.

0730: Moved to monitoring vegetation clearing crew only.

0900: moved vegetation crew slightly south, still remaining in DG-2.

1130: spray painted guide dots with Charlie near the vegetation clearing crew.

1345: finished spraying guide dots, relocated a western fence lizard which was in the work area.

1355: relocated another western fence lizard.

1430: crew began wrapping up pulling while I spoke to Daniel and Margie to plan for tomorrow.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-2\_before\_\_pulling\_facingS.jpg**  
-118.17146 34.19074



**photo\_2-DG-2\_after\_\_pulling\_facingS.jpg**  
-118.17145 34.19074





**photo\_3-DG-2\_before\_\_pulling\_facingS.jpg**  
-118.17211 34.19022



**photo\_4-DG-2\_after\_\_pulling\_facingS.jpg**  
-118.17211 34.19021

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: January 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:30	47 °F	0-3 MPH	20 %
<b>End of Day</b>	15:15	75 °F	0-3 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (5, plus foreman Raoul) digging holes for planting and accepted plant delivery 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:**

CASJ, LEGO, CALT, ANHU, ACWO, NOFL, WCSP, MODO, RTHA, YRWA, desert cottontail, CORA, Botta's pocket gopher

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

**Log Entry**

Monitor was notified on 11/12 that crew would be starting late (0800) after picking up planting equipment.

0700 Monitor notified by M. Walsh that crew had arrived without supervisor and was beginning work.

0730 Monitor arrived on site and observed holes dug were too shallow for one gallon plants. Informed crew that holes need to be deeper to accommodate plants.

0830 Foreman Raoul arrived onsite and directed crew to move to area where they will start planting to fix those holes.

0900 Tree of Life Nursery delivery truck arrived. Monitored off-loading and verified plant numbers and quality until complete at 1100.

1200 foreman decided to finish the day digging holes and start planting in the morning.

1230 Monitor watered container plants. Crew stopped at 1510.

**Additional Comments**

N/A

**Signature**





**Digging holes\_DG-W-1\_facing NW.jpg**  
-118.17169 34.19154



**TOL delivery.jpg**  
-118.17155 34.19078



**All plants delivered.jpg**  
-118.1713 34.19086

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: January 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	4-6 MPH	0 %
<b>End of Day</b>	15:30	85 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 working on planting 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:**

CASJ, CALT, CATH, WCSP, SPTO, RTHA, COHA, NOFL, AMCR, OATI, YRWA, ACWO, SAPH, BEWR, BUSH, desert cottontail, California ground squirrel, western fence lizard.

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

**Log Entry**

0645: inspected plants, removed one individual from the pool due to an unknown fungal issue which had been located by Margie yesterday.

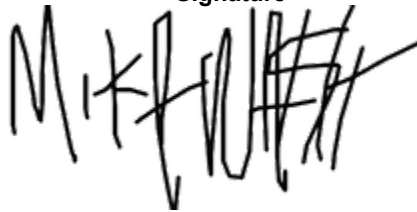
0700: monitored planting, digging, and micro line placement in DG-W-1.

1510: crew wrapped up work while I took photos and inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-crew\_placing\_plants\_facingSE.jpg  
-118.1701 34.19225



photo\_2-new\_plants\_facingN.jpg  
-118.17123 34.19133



photo\_3-micro\_lines\_facingW.jpg  
-118.17113 34.19153



photo\_4-sambucus\_newly\_planted\_facingS.jpg  
-118.17116 34.19106

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	68 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	86 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9-person Natures Image/LF Crew + 1 Stillwater bio working in DG-2, handpulling and raking pepperweed and other nonnatives.

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

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

**List of species observed while monitoring:**

MALL RNDU RUDU CAQU BTPI ANHU ALHU KILL COHA RSHA RTHA ACWO NUWO NOFL AMKE BLPH SAPH  
CAKI CORA AMCR CASJ OATI RCKI BEWR CATH AMRO HOFI LEGO WCSP SOSP SPTO AUWA gopher snake,  
western fence lizard

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

**Log Entry**

0645-1445 crew working in area just south of Johnson Field. Crew stopped vegetation work at 1430, bio left site at 1445.

**Additional Comments**

DKB's phone died at 1345; no "after" photos taken today.

**Signature**



**Vegetation clearing\_area\_facingS.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: January 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	0 %
<b>End of Day</b>	15:05	87 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (7, including foreman Raoul) planting 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:**

Desert cottontail, WCSP, ACWO, CAQU, MODO, GBHE, CORA, CALT, coyote, CASJ, LEGO, HOFI, BLPH, ANHU, RTHA, SAPH, BEWR, YRWA, SPTO, ALHU, BUSH, BTYW

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

**Log Entry**

0700 crew continues planting along eastern edge of Johnson Field, moving counter-clockwise around.

0840 A. Plesetz and I observed a coyote walking north along the east road, then looping back south on the other side of Johnson Field. Was missing a patch of fur on its left hind hip, possibly from mange or an injury. Will continue to watch for it.

1345 crew installed timers so planted areas would be watered over weekend. Monitor hose-watered containers.

1445 weed removal crew helped pick up empty gallon containers and secured them along road to block off temporary nursery.

1500 planting crew finished planting and installing irrigation emitters.

**Additional Comments**

N/A

**Signature**





**Planting along slope\_facing N.jpg**  
-118.17136 34.19079



**Planting after\_facing SW.jpg**  
-118.17164 34.19214



**Planting after\_facing E.jpg**  
-118.17164 34.19216

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: January 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	85 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8 crew members) hand tools (hoe, rake, pitchfork, tarps) and mechanical, including 1 weed whacker, non-native vegetation. Enhancement areas include DG-2 upland and channel, south of Johnson Field. Leads: Daniel (Natures Image foreman) and Margie (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:**

BEWR, CASJ, coyote (possibly injured?), CORA, RCPA, BGGN, CATH, CALT, RTHA, LEGO, HOFI, WCSP, ANHU, YRWA, RCKI, BUSH, MODO, WREN, SPTO, NUWO, BLPH, HETH, ACWO, OATI, SAPH

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


**Log Entry**

0640 biologist arrived onsite and checked in with crew and tailboard with Margie. Monitored crew during vegetation removal using hand tools and a weed whacker. A fire extinguisher was nearby the mechanical tool operation. Non-native vegetation removed consisted of mainly mustard and hemlock. If there were any woodpiles of native dead vegetation (mostly mulefat) the crew relocated these to out of the way of the channel and proposed planting areas. Half the crew split off after lunch to establish irrigation line along one of the channels. At 1415, the entire crew switched to irrigation and assisting the plant crew. The biologist left the site, but not before making sure the trash was picked up and completed the report. 1500.

**Additional Comments**

N/A

Signature





**Vegetation\_clearing\_during\_facingSW.jpg**  
-118.17203 34.19014



**Vegetation\_clearing\_during\_facingN.jpg**  
-118.17204 34.19



**Vegetation\_clearing\_during\_facingW.jpg**  
-118.17207 34.18999



**Vegetation\_removal\_after\_facingW.jpg**  
-118.17222 34.1903

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:12	79 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling poison hemlock and laying irrigation in DG-2, DG-2 WOUS, DG-2 new channels, and fixing irrigation leaks 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:**

CATH, ACWO, CALT, CASJ, CAQU, WCSP, CORA, DEJU, ANHU, NOFL, LEGO, RNDU, AMCR, GREG, TUVU, RCKI, BLPH, BEWR, SPTO, HOFI, COHA, western fence lizard, San Diego alligator lizard, desert cottontail, gopher snake.

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

**Log Entry**

0645: monitored vegetation clearing area n DG-2/DG-2 WOUS. Tom spent 1 hour repairing irrigation.

0700: gave weep training to 2 new employees.

0920: 3 members of the vegetation clearing crew split off to do some irrigation in DG-2, DG-2 new channels, DG-2 WOUS.

1030: found a gopher snake hunting on recently cleared ground. Relocated to a grove of mulefat to eliminate the risk of being stepped on.

1330: relocated a San Diego alligator lizard.

1500: crew began wrapping up pulling while I took photos and inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-2\_before\_handpulling\_facingSW.jpg**  
-118.17246 34.18984



**photo\_2-DG-2\_after\_handpulling\_facingSW.jpg**  
-118.17257 34.19004





photo\_3-gopher\_snake\_relocation\_after\_facingW.jpg



photo\_4-Crew\_laying\_irrigation\_facingS.jpg  
-118.17214 34.19035

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: January 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	51 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	78 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8 including foreman Raoul) digging holes and planting 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:**

CASJ, RTHA, LEGO, WCSP, CALT, CORA, CAQU, CATH, ALHU, YRWA, ACWO, SAPH, COHA, desert cottontail, NOFL, ANHU, BUSH, SPTO, HOFI

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

**Log Entry**

0630 noted three irrigation breaks within Johnson Field (likely from coyotes) and informed other monitor. Crew digging holes in southeast corner near new culvert, where previously skipped until digging approved by DigAlert. 0700 trained two new workers (Mario and Guillermo).

1400 watered containers. Crew finished planting at 1445 and began cleaning up.

**Additional Comments**

N/A

**Signature**





**Digging holes and planting\_DG-W-1\_facing NE.jpg**  
-118.17166 34.19082



**Planting midday\_facing S.jpg**  
-118.17113 34.19188



**Planting after.jpg**  
-118.17111 34.19191

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	4-6 MPH	90 %
<b>End of Day</b>	15:00	64 °F	13-15 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 digging holes and planting new plants 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:**

WCSP, CATH, NUWO, CASJ, HOFI, RTHA, ACWO, AMCR, CALT, YRWA, CAQU, SPTO, AMKE, MODO, BLPH, NOFL, ANHU, BGGN, BEWR, BUSH.

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

**Log Entry**

0630: monitored planting and digging in DG-W-1.

0645: gave weep training to a new crew member.

1130: Devin went home for the day, I moved between both crews to monitor them. Weed crew was hand pulling poison hemlock and perennial pepperweed in DG-2 and DG-2 WOUS.

1200: wind began picking up, weed crew switched to tarping up the stuff they pulled and performing irrigation maintenance.

1450: planting crew began wrapping up, I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-newly\_planted\_rose\_facingSW.jpg  
-118.17168 34.19202



photo\_2-newly\_planted\_area\_facingS.jpg  
-118.17167 34.19201



**photo\_3-dust\_from\_windstorm\_facingS.jpg**  
-118.17192 34.19086



**photo\_4-irrigation\_repair\_facingW.jpg**  
-118.1719 34.19026



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	95 %
<b>End of Day</b>	11:00	65 °F	4-6 MPH	25 %

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

Restoration Monitoring

**Construction Activity:**

9-person Natures Image crew + 1 Stillwater bio hand pulling vegetation in DG-2 south of 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 ANHU CATH RCPA OATI WCSP CASJ NUWO AMCR NOFL RNDU MALL CORA AMCR SPTO BUSH CANG  
BEWR RTHA SOSP ALHU BTPI EUST CEDW LEGO CAKI

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

**Log Entry**

0645-1100 Natures Image crew doing vegetation work in DG-2 south of Johnson Field. Crew stopped vegetation work at 1130 following lunch break, spent rest of day hauling tarps and doing irrigation work.

**Additional Comments**

N/A

**Signature**





**Vegetation clearing\_before\_facing S.jpg**



**Vegetation clearing\_after\_facingSE.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	4-6 MPH	0 %
End of Day	11:00	66 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 planting and digging holes 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:**

BUSH, CALT, CATH, CASJ, BLPH, western toad, ACWO, WCSP, HOFI, CAQU

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: monitored planting and digging efforts in DG-W-1.

0850: a crew member was digging a hole and uncovered a western toad which had taken residence in a pocket gopher burrow. The toad was moved to a similar habitat outside of our work area.

1050: learned that a crew member who was on planting last week had tested positive for Covid, told the crew to wrap up and that I was leaving immediately to get a test, quickly inspected the site and took photos.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to be 'M Walsh', written over a grid of faint lines.



photo\_1-Western\_toad\_relocation\_facingE.jpg  
-118.17184 34.19214



photo\_2-crew\_planting\_facingS.jpg  
-118.17165 34.19214

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	62 °F	4-6 MPH	40 %
<b>End of Day</b>	13:00	81 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

11-person Natures Image/LF crew + 1 Stillwater bio hand pulling and weed whacking in DG-2 south of 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 BEWR RNDU MALL CANG ALHU ANHU HOFI CASJ RTHA SOSP NOFL NUWO CATH LEGO

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

**Log Entry**

0645-1300: Crew hand pulling hemlock in DG-2 south of Johnson Field. Foreman Didier weed whacking in the area. Crew split up working in various parts of the area, so photos do not encompass all of the work area.

**Additional Comments**

N/A

Signature



Vegetation clearing\_before\_facingE \_1.jpg



**Vegetation clearing\_before\_facingE\_2.jpg**



**Vegetation clearing\_after\_facingW\_1.jpg**

-118.17239 34.18949



Vegetation clearing\_after\_facingSW\_2.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	0 %
End of Day	13:00	75 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

4-person LF crew hand pulling hemlock, 5-person Natures Image crew planting in Johnson field, 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:**

CASJ AMCR WCSP SOSP LEGO BLPH WREN CATH CAQU NOMO CALT HOFI RNDU RTHA RSHA BEWR  
BUSH

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645- 1300 4-person LF crew hand pulling hemlock in DG-2, 5-person Natures Image crew digging holes in Johnson field. Bio monitoring both crews. Crews stopped vegetation work at 1300.

**Additional Comments**

N/A

Signature







Vegetation clearing\_ before\_ facingS.jpg



Vegetation clearing\_ after\_ facingS.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	4-6 MPH	100 %
End of Day	13:30	64 °F	13-15 MPH	90 %

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

Restoration Monitoring

**Construction Activity:**

5-person LF crew handpulling hemlock and raking understory, 7-person Natures Image crew digging planting holes in Johnson field using auger and shovels, 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:**

HOFI LEGO CATH NOMO NOFL CASJ MALL SPTO CALT WCSP BGGN ANHU BTPI ROPI MODO BLPH RCKI  
TUVU RTHA Botta's pocket gopher

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

**Log Entry**

0645-1330 : 5-person LF crew handpulling hemlock and raking understory in DG-2, 6-person Natures Image crew digging planting holes in Johnson field, 1 Stillwater bio monitoring both groups. Crew stopped vegetation work at 1300, bio left site at 1330.

**Additional Comments**

N/A

**Signature**





**Bottas pocket gopher.jpg**



**Vegetation clearing before facing S.jpg**



**Vegetation clearing after facing S.jpg**  
-118.17223 34.19028

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	41 °F	0-3 MPH	10 %
End of Day	15:00	52 °F	13-15 MPH	35 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 digging holes 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:**

CATH, WCSP, CASJ, SPTO, CALT, LEGO, AMCR, RTHA, CORA, COHA, YRWA, NOFL, HOFI, RUHU, ANHU, MALL, RNDU, GWTE, BGGN, TUVU, ACWO, AMKE, ROPI, PEFA

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: monitored vegetation clearing in DG-2, DG-2 new channels with weeding crew.

0715: monitored digging in DG-W-1 with planting crew.

1200: photographed the Altadena drain.

1410: a mix of rain, snow, and hail began falling.

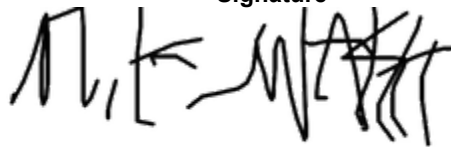
1425: crew waited in their cars for the storm to lighten up.

1435: all precipitation ceased, crew went back to work. 1500: crew stopped digging and packed up.

**Additional Comments**

N/A

Signature





photo\_1-digging\_with\_auger\_facingS.jpg  
-118.1719 34.19143



photo\_2-crew\_digging\_facingN.jpg  
-118.1719 34.19101

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: January 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	38 °F	4-6 MPH	25 %
<b>End of Day</b>	14:45	49 °F	13-15 MPH	95 %

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

Restoration Monitoring

**Construction Activity:**

Three Natures Image crew members (temporary crew from Labor Finders) removing non-native vegetation (poison hemlock, horehound, mustard) from upland DG-2 and DG-2A enhancement areas (upper drainage to Johnson Field). Equipment used includes hoes, rakes, tarps, and pickup truck for loading. Daniel was 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:**

CATH, ANHU, SOSP, NOMO, CANG, RNDU, MALL, CALT, CORA, CASJ, AMCR, SPTO, HOFI, LEGO, COHA, RTHA, BUSH, OATI, RCKI, ALHU, ACWO, coyote, RSHA, NOFL, WREN, WCSP, GWTE, BEWR, BGGN, TUVU

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

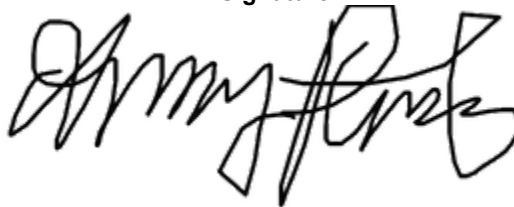
**Log Entry**

0645 biologist and crew met onsite and started work at DG-2 channel and upland enhancement areas hand pulling non-native (adult/dead poison hemlock and mustards), tarping and removing them to dumpster. The crew started with hand pulling then moved to using a hoe to scrape the new sprouts and roots. After lunch, the crew split their time working in DG-2 and DG-2A scraping and pulling more young hemlock, mustard, and horehound sprouts. Biologist checked that crew worked on report, and left site at 1445.

**Additional Comments**

It snowed for approximately 15 minutes today. Few inches of rain fell night before. More rain and winter weather predicted mid-week. Site muddy.

Signature





**photo\_1-vegetation clearing.jpg**  
-118.1722 34.19018



**photo\_2-vegetation work.jpg**  
-118.17208 34.18978





**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17214 34.18975

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	37 °F	4-6 MPH	0 %
End of Day	15:10	54 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 5 planting and digging holes 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:**

WCSP, CALT, CASJ, CATH, RCKI, COHA, ANHU, AMCR, CANG, SPTO, RUHU, LEGO, NOFL, ACWO, RTHA, HOFI, CORA, ALHU, BUSH, NUWO, CAQU, BEWR, PEFA, coyote

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: monitored digging in DG-W-1.

0840: 2 crew members switched from digging to planting, I explained the pattern to follow in planting and monitored.

1010: observed male Anna's hummingbird collecting nest materials (parts of a mulefat flower).

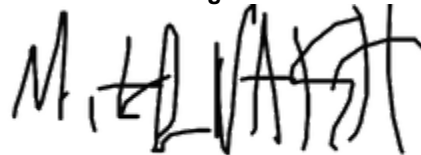
1215: observed a pair of red tail hawks mating ~50ft offsite just west of Johnson field.

1510: crew wrapped up and left the site.

**Additional Comments**

N/A

Signature





photo\_1-newly\_planted\_elderberry\_facingS.jpg  
-118.17186 34.19132



photo\_2-planting\_efforts\_facingN.jpg  
-118.17187 34.19121

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	44 °F	0-3 MPH	0 %
<b>End of Day</b>	13:17	57 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

3-person Labor Finders crew weeding <5 plants with hoes, spades, rakes, 1 Stillwater bio. 1 Labor Finders crew went home sick with a stomach bug.

**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 SPTO LEGO WEBL HOFI SOSF CATH CANG MALL AMCR SNEG RNDU NUWO OATI BUSH RSHA  
ACWO NOFL RTHA CORA CALT coyote

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

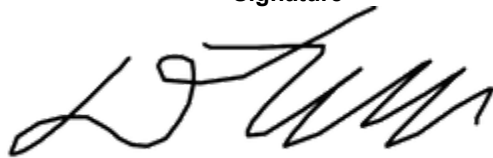
**Log Entry**

0645-1315: 3-person Labor Finders crew clearing <5 in hemlock in DG-2. 1 Labor Finders crew sent home at 0800 with a stomach bug. Crew stopped vegetation work at 1315.

**Additional Comments**

N/A

**Signature**



**Vegetation clearing\_before\_facingW.jpg**



**Vegetation clearing\_after\_facingNW.jpg**  
-118.17242 34.18927

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	7-9 MPH	100 %
End of Day	15:00	54 °F	7-9 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 planting and digging holes 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:**

Coyote, COHA, CATH, WCSP, AMCR, CALT, CASJ, ACWO, RTHA, NOFL, BEWR, BUSH, NUWO, YRWA, desert cottontail.

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: monitored planting efforts in DG-W-1.

1200: monitored use of an excavator, which was being used to dig holes for planting.

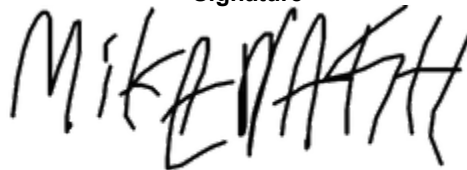
1310: saw a park visitor riding a dirt bike inside the basin, asked him to stop and leave.

1445: crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-excavator\_use\_facingE.jpg  
-118.17173 34.19131



photo\_2-planting\_efforts\_facingW.jpg  
-118.17173 34.19131

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	90 %
<b>End of Day</b>	14:00	60 °F	4-6 MPH	90 %

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

Restoration Monitoring

**Construction Activity:**

4-person Labor Finders weeding crew and 1 Stillwater bio vegetation clearing with hoes and spades.

**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 RTHA SSHA CASJ SPTO CALT WCSP NOFL SOSP LEGO CATH ANHU RNDU CANG MALL WREN  
BUSH CAQU ROPI BEWR BTPI EUST, alligator lizard, Coyote (4x)

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

**Log Entry**

0645- : Crew scraping <5 in. hemlock sprouts at southern end of DG-2. Southern alligator lizard relocated at 0854.  
Crew stopped vegetation work at 1400.

**Additional Comments**

N/A

Signature







**Vegetation clearing\_before\_facingS.jpg**  
-118.17245 34.18944



**Vegetation clearing\_before\_facingS.jpg**  
-118.17241 34.1895

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: January 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	30 %
<b>End of Day</b>	15:00	57 °F	4-6 MPH	60 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 digging holes and planting in DG-W-1 and performing irrigation maintenance 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:**

SPTO, BEWR, HOFI, AMCR, WCSP, CASJ, CALT, CATH, ACWO, NOFL, BUSH, ALHU, OATI, YRWA, SSHA, RTHA, CAQU, LEGO, CORA, AMKE, BLPH, CAKI

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

**Log Entry**

0645: monitored planting and digging in DG-W-1.

1010: monitored use of an excavator to dig holes for new plants in DG-W-1.

1145: sent 2 crew members off to do an irrigation repair in DG-4.

1410: noticed a Baccharis pilularis that had been recently planted had a neon colored disease on the stem. The plant was dug up and removed.

1420: crews moved un-potted plants to an area which would experience less water flow during the coming rains.

1445: crew began wrapping while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-planting\_progress\_facingN.jpg**  
-118.17196 34.19154



**photo\_2-digging\_progress\_facingE.jpg**  
-118.17179 34.19136



photo\_3-excavator\_use\_facingN.jpg  
-118.17175 34.19096

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: January 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	10 %
<b>End of Day</b>	14:15	63 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

4-person Labor Finders crew understory clearing in DG-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:**

CALT SPTO WCSP AMCR NOFL CASJ BUSH ANHU ROPI SOSP LEGO HOFI ACWO CATH coyote (x3)

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

**Log Entry**

0645-1400: Labor Finders weeding crew clearing <5 in. hemlock sprouts in DG-2. Crew stopped vegetation work at 1415; area is now plowed and largely cleared of hemlock.

**Additional Comments**

N/A

Signature





**Vegetation clearing\_before\_facingW-1.jpg**  
-118.17221 34.19025



**Vegetation clearing\_before\_facingW-2.jpg**  
-118.17223 34.1902



**Vegetation clearing\_after\_facingSW-1.jpg**  
-118.17224 34.19031



**Vegetation clearing\_after\_facingW-2.jpg**  
-118.17193 34.19022

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	100 %
End of Day	15:00	70 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Laborfinders crew of 6 handpulling hemlock seedlings, horehound and mustard in DG-2, DG-2 new channels, DG-2B, DG-W-1 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:**

WCSP, CATH, CALT, YRWA, SPTO, SOSP, BLPH, ACWO, AMKE, RTHA, CASJ, HOFI, TUVU, NOFL, CORA, RCKI, WREN, CANG, MALL, KILL, RNDU, BGGN, BUSH, COHA, LEGO, MODO, Botta's pocket gopher

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

**Log Entry**

0645: instructed crew to move to a new parking area separate from the planting crew.

0650: monitored vegetation clearing in DG-2, DG-2 new channels.

1130: moved the crew to DG-2B to pull mustard and horehound.

1445: moved crew to DG-W-1 to pull horehound and poison hemlock.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-2\_before\_pulling\_horehound\_facingN.jpg  
-118.17232 34.18926



photo\_2-DG-2\_after\_pulling\_horehound\_facingN.jpg  
-118.17233 34.18926



photo\_3-DG-2\_before\_pulling\_hemlock\_facingSE.jpg  
-118.17192 34.19074



photo\_4-DG-2\_after\_pulling\_hemlock\_facingSE.jpg  
-118.17196 34.19088

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: February 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	100 %
<b>End of Day</b>	15:15	69 °F	0-3 MPH	60 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8) planting and augering holes 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:**

RTHA, CORA, ANHU, CASJ, ALHU, CALT, BLPH, AMKE, WCSP, ACWO, desert cottontail, MALL, SOSP, LEGO, TUVU, CANG, NOFL, YRWA, MODO, BUSH

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

**Log Entry**

0645 instructed weeding crew to move vehicles to other parking area to maintain separation from planting crew during breaks.

0700 WEEP trained new Natures Image employee (Kyle). Observed while crew continued planting.

0730 Foreman began using auger attachment on mini excavator to continue prepping holes in south end of Johnson Field.

1000 walked site with Michael Walsh to scout areas where weed crew should focus efforts. Majority of areas still only have weed seedlings.

1500 crew stopped planting and cleaned up equipment and trash.

**Additional Comments**

N/A

**Signature**





**Planting\_facing S.jpg**  
-118.1717 34.19215



**Continued planting\_facing NE.jpg**  
-118.17199 34.19119

MP

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	10 %
<b>End of Day</b>	15:14	72 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 planting and digging holes 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:**

SOSP, SPTO, AMCR, CAQU, CATH, CALT, WCSP, MALL, ANHU, GOEA, WEBL, RTHA, COHA, LEGO, BUSH, ACWO, BLPH, COHU, NOFL, TUVU, MODO, desert cottontail

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

**Log Entry**

0645: monitored planting and digging in DG-W-1. Digging was done by hand and with excavator.

0745: Observed golden eagle slightly off site. See notes.

0920: assigned a crew member to dig new holes in an area which had been planted by the previous Natures Image crew where a large number of holes (106) had been skipped.

1410: observed 2 coyotes come out of some mulefat near the excavator. The area was surveyed for dens, none were directly observed but the possibility remains that there is one nearby. Work continued under very close observation.

1500: crew wrapped up while I took photos and inspected the site.

**Additional Comments**

The golden eagle was observed in a tree ~30ft off the ground located in someone's yard near the southeast side of the site. Tree was roughly 75 feet from edge of site. After 5 minutes of observation, the eagle took off and flew a lap around the site, then inclined and flew north into the mountains. Individual was a juvenile. Photo included was taken from the boulder at the southwest corner of the Johnson field, does not include actual bird. Perch located at 34.189489N x 118.171638W.

Signature





photo\_1-planting\_progress\_facingE.jpg  
-118.17198 34.19119



photo\_2-digging\_progress\_facingW.jpg  
-118.17199 34.19117



photo\_3-GOEA\_perch\_location\_facingS.jpg  
-118.17197 34.19116

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: David Wappler**  
**Date of Log: February 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	53 °F	0-3 MPH	5 %
<b>End of Day</b>	15:00	71 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Natures Image crew weeding using hand tools. Foreman Daniel Holmes and Laborers Daniel, Cynthia, Jesus A., Jesus D., and Jose.

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

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

**List of species observed while monitoring:**

CANG 40, CORA 3, COHA 1, CASJ 2, BEWR 3, CALT 3, HOFI 5, AUWA 3, OATI 1, LEGO 3, BUSH 12, RCKI 2, SOSPO 1., alligator lizard 1, side-blotched lizard 3, California ground squirrel 1

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

**Log Entry**

0630-0700: Relocated to west side meeting area.

0700: Received WEEP and project orientation from Margie Pfeffer.

0800: Monitored Natures Image weeding crew (5 laborers) using hand tools and hand pulling perennial pepperweed, poison hemlock, and black mustard at the southern end of DG-4.

1500: End of Day

**Additional Comments**

N/A

**Signature**







**Vegetation\_weeding\_mid-morning\_facingNW.jpg**  
-118.17683 34.18626



**Vegetation\_weeding\_pepperweed\_facingNW.jpg**  
-118.17708 34.18672



**Vegetation\_weeding\_after\_facingNW.jpg**  
-118.17686 34.18626

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	64 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 planting, laying microlines and digging holes 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:**

CAKI, ALHU, OATI, CASJ, SOSP, CALT, CATH, WCSP, CAQU, YRWA, SPTO, BGGN, CANG, MALL, KILL, PEFA, RTHA, NOMO.

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

**Log Entry**

0645: monitored planting and digging in DG-W-1.

1030: supervised use of excavator in DG-W-1.

1200: performed a nesting bird survey in DG-2 in anticipation of finishing DG-W-1.

1215: observed a peregrine falcon in DG-2. See additional comments section.

1400: a few crew members switched to microline maintenance.

1450: observed 2 RTHA mating ~400 feet north of Johnson field in a large sycamore. This is the second time this has been observed with this pair.

1500: crew wrapped up for the day.

**Additional Comments**

Peregrine falcon was observed perched 20 ft up in a snag (DG-2, south end) for 90 minutes resting. It took off, divebombed a flying RTHA, and landed in JPL on the side of a building. I lost it a few minutes after landing. No evidence of nesting behavior, individual is likely an adolescent per the breast/throat coloration.

**Signature**





**photo\_1-planting\_and\_digging\_facingN.jpg**  
-118.17153 34.19145



**photo\_2-microline\_maintenance\_facingS.jpg**  
-118.17159 34.19089



photo\_3-PEFA\_perching\_facingE.jpg  
-118.17284 34.18881

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: David Wappler**  
**Date of Log: February 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	0-3 MPH	5 %
<b>End of Day</b>	15:15	66 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew weeding with hand tools. 6 laborers (Ernesto and Jesus D. dismissed in morning due to COVID-19 concerns) and foreman Daniel Holmes

**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 1, rsha 1, amcr 5, cang 70, mall 12, kill 2, casj 2, acwo 2, anhu 2, calt 3, auwa 13, blph 1, sosp 4, lisp 1, bewr 3, deju 2, hofi 10, oati 3, bush 12, rcki 3, lego 5, side-blotched lizard 3, desert cottontail 1, California ground squirrel 5

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

**Log Entry**

645 monitored weeding of perennial pepperweed, curly dock, and poison hemlock at southern end of DG-4. 1515 end of day.

**Additional Comments**

N/A

**Signature**

D. W.



**weeding\_start\_of\_day\_facingNW.jpg**  
-118.17697 34.18651



**weeding\_afternoon\_facingN.jpg**  
-118.17726 34.18696

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	66 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 laying irrigation, planting and digging holes 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:**

OATI, CASJ, WCSP, CATH, ALHU, COHU, AMCR, CALT, SOSP, BEWR, RTHA, AMKE, ACWO, HOFI, MODO, YRWA, LEGO, CORA, California ground squirrel, desert cottontail, western fence lizard

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

**Log Entry**

0645: monitored planting and digging in the eastern lip of DG-W-1. Counted remaining plants.

0900: surveyed DG-2 for nesting birds. Nothing found.

1020: crew moved to the western lip of DG-W-1 to re dig holes/plant where the previous crew had left numerous unfinished.

1300: crew began measuring the low flow channel and laying new irrigation in DG-W-1.

1500: crew wrapped up for the day

**Additional Comments**

N/A

Signature







photo\_1-planting\_progress\_facingSE.jpg  
-118.17207 34.19198



photo\_2-planting\_progress\_facingSW.jpg  
-118.17083 34.19172



photo\_3-crew\_laying\_irrigation\_facingE.jpg  
-118.17113 34.19171

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	45 °F	0-3 MPH	100 %
<b>End of Day</b>	15:07	63 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5-person Natures Image crew clearing vegetation in the understory hemlock in DG-4A, north of the creek bridge.

**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 SPTO RCKI AUWA MALL CANG NUWO COHA AMCR ANHU WCSP HETH BLPH RCKI LEGO ACWO  
DOWO RSHA NOMO CASJ KILL SOSP

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

**Log Entry**

0645-1500: Crew vegetation clearing in DG-4A, patch just north of creek bridge (34.1888839, -118.1774198), eventually moving north towards Primrose area. Lots of water in the reservoir, high counts of CANG. Crew stopped vegetation work at 1500.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingE.jpg**  
-118.17735 34.18883



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17739 34.18877



**Vegetation\_clearing\_area2\_during\_facingNW.jpg**  
-118.17662 34.18941



**Vegetation\_clearing\_after\_area2\_facingE.jpg**  
-118.17682 34.18962

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	68 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

4-person Natures Image crew vegetation clearing <5 inch pepperweed 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:**

BEWR LEGO HOFI RCKI AMCR BLPH NUWO NOFL CANG MALL KILL BUSH CALT WCSP CORA CATH CASJ  
STJA RTHA

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

**Log Entry**

0645-1500: Vegetation clearing in DG-4, primrose site. Clearing <5 in. pepperweed sprouts. 2 STJA consistently seen in the area throughout the morning. Crew stopped vegetation work at 1500.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingNW.jpg**  
-118.177 34.18961



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17726 34.1899

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	4-6 MPH	0 %
<b>End of Day</b>	14:45	68 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Natures Image workers digging holes and planting potted plants using hand tools and a back hoe auger in Johnson Field, DG W-1. Daniel (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:**

KILL, RTHA, NUWO, CANG, MALL, MODO, SOSP, OATI, RCPA, CASJ, CITE, CATH, YRWA, BLPH, BUSH, CORA, RNDU, DCCO, WCSP, ALHU, NOFL, SPTO, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, SAPH, BTPI, RUDU, NOMO, CAKI, California ground squirrel, COHA

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew began digging holes using hand tools and planting potted plants. Around 1030, the crew utilized a hand-held auger and a backhoe auger attachment to dig holes for plants in addition to hand-held tools. After lunch the crew continued working in the same location (Johnson Field) and doing the same tasks as before lunch. They continued this until the end of work day. Site was cleaned up, empty buckets removed, and the heavy equipment was removed from Johnson Field and drainage for the weekend. Biologist completed report and left site at 1445.

**Additional Comments**

N/A

Signature







**Planting\_hole-dig\_during\_facingS.jpg**  
-118.1712 34.19203



**Planting\_drill\_holes\_during\_facingSW.jpg**  
-118.17072 34.19176



Planting\_hole\_dig\_during\_facingS.jpg  
-118.1714 34.19216

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:50	46 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	64 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 5 hand pulling perennial pepperweed, poison hemlock, mustard, and grasses in DG-4A on the west side of the site near the large primrose patch.

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

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

**List of species observed while monitoring:**

OATI, CASJ, CALT, WCSP, SOSP, HOFI, SPTO, LEGO, ANHU, MODO, AMKE, ACWO, BUSH, CATH, western fence lizard, AMCR

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

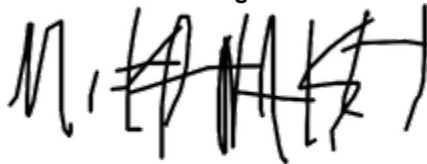
**Log Entry**

0650: monitored vegetation clearing in DG-4A.  
0930: swept the nearby areas for nesting activities. Found nothing.  
1010: resumed monitoring hand pulling.  
1135: scouted for future work areas nearby.  
1450: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-DG-4A\_before\_pulling\_facingNW.jpg  
-118.17668 34.19038



photo\_2-DG-4A\_after\_pulling\_facingNW.jpg  
-118.17667 34.19037



photo\_3-DG-4A\_before\_pulling\_facingSW.jpg  
-118.17658 34.19033



photo\_4-DG-4A\_after\_pulling\_facingSW.jpg  
-118.17662 34.19035

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Natures Image workers performing irrigation set-up, digging holes and planting potted plants using hand tools and two backhoe augers in Johnson Field, DG W-1 and DG-2 (New Channels). Daniel (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:**

KILL, RTHA, NUWO, CANG, MALL, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, RNDU, WCSP, ALHU, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, SAPH, BTPI, RUDU, CAKI, California ground squirrel, BGGN, WEBL, western toad, COHA

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew began digging holes using hand tools and planting potted plants and installing irrigation. Around 0900 the crew utilized a handheld auger and a backhoe auger attachment to dig holes for plants in addition to hand-held tools. After lunch the crew continued working in the same location at Johnson Field and the channels and doing the same tasks as before lunch. They continued this until the end of work day. Site was cleaned up, empty buckets staked and organized. Biologist completed report and left site at 1445.

**Additional Comments**

While the crew was augering a hole, they stumbled upon a plastic pipe. Unclear the purpose of pipe. The pipe was flagged and left in tact. Margie (Stillwater) was notified.

Signature





**Irrigation\_maintenance\_during\_facingSW.jpg**  
-118.17151 34.1921



**Planting\_before\_facingN.jpg**  
-118.17179 34.19128



**Planting\_digging\_holes\_during\_facing E.jpg**  
-118.17219 34.19171



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	100 %
<b>End of Day</b>	14:00	57 °F	0-3 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 digging and planting in DG-W-1, DG-2, and 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:**

NUWO, CASJ, CATH, ACWO, RTHA, WCSP, ANHU, BUSH, OATI, ALHU, BLPH, AMKE, MODO

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

**Log Entry**

0645: monitored planting and digging in DG-W-1. Located an ACWO granary in a telephone pole slightly north of the property line.

0920: monitored use of an excavator in DG-2, DG-2 new channels.

1225: observed a pair of RTHA mating in a 50 ft sycamore roughly 400 feet north of the site.

1345: crew began wrapping up planting and digging while I inspected the site and took photos. Planting stopped early because the crew used the last of the plants they have.

**Additional Comments**

N/A

**Signature**





photo\_1-digging\_efforts\_facingE.jpg  
-118.17195 34.19086



photo\_planting\_efforts\_facingNE.jpg  
-118.17199 34.19106

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**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	80 %
<b>End of Day</b>	14:45	66 °F	0-3 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Five workers from a temp agency performing vegetation removal by scraping the sprouting plants using hand tools and pulling the passion vine from the native trees. DG-4A and DG-4. Daniel (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:**

RTHA, NUWO, CANG, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, ALHU, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, SAPH, CAKI, California ground squirrel, BGGN, WEBL, Botta's pocket gopher, STJA, LISP, SPTO

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew began removing vegetation, scraping topsoil surface including plant sprouts. The biologist had three of the crew members work on removing non-native passion flower vine (already set seed) from trees along the access road. This crew shortly after switched back to scraping sprouts using hand tools. After lunch, the crew continued scraping sprouts until the end of day. Trash was removed from site. Biologist left at 1445.

**Additional Comments**

Signature





**Vegetation\_removal\_after\_facingSW.jpg**  
-118.17712 34.18992



**Vegetation\_removal\_during\_facingN.jpg**  
-118.17694 34.19041



**Vegetation\_clearing\_during\_facingSW.jpg**  
-118.17669 34.19082



**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17696 34.19041

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	100 %
<b>End of Day</b>	14:38	61 °F	4-6 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 laying irrigation, fixing collapsed plant holes, digging holes and fusing pipes in DG-W-1/DG-2, DG-2 new channels, also doing irrigation repairs 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:**

SSHA, WCSP, CALT, CASJ, AMKE, RTHA, AMCR, CATH, MODO, RNDU, MALL, ACWO, NOFL, YRWA, OATI, NUWO, SOSP, SPTO, desert cottontail

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

**Log Entry**

0645: crew began fixing collapsed holes/fusing pipe in DG-W-1 while a second crew layed some irrigation nearby in DG-2. Monitored these efforts.

0930: 1 crew member was sent to DG-4/DG-4A to repair some irrigation lines.

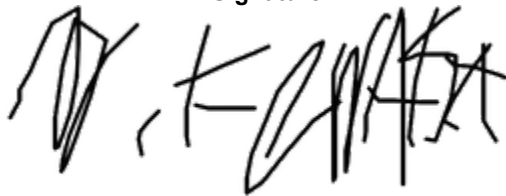
1000: monitored use of an excavator to dig holes in DG-2, DG-2 new channels.

1430: crew began wrapping up digging and fusing efforts to work on maintenance of lines while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-collapsed\_hole\_before\_fixing\_facingW.jpg  
-118.1717 34.19083



photo\_2-collapsed\_hole\_after\_fixing\_facingW.jpg  
-118.17169 34.19083



photo\_3-crew\_fusing\_pipe\_facingE.jpg  
-118.17175 34.19082



photo\_4-crew\_laying\_irrigation\_DG-2\_facingN.jpg  
-118.17233 34.19055



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	90 %
<b>End of Day</b>	14:45	66 °F	0-3 MPH	90 %

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

Restoration Monitoring

**Construction Activity:**

Five workers from a temp agency performing vegetation removal by scraping sprouts and other non-natives using hand pulling and handheld tools in DG-4 and DG-4B. Daniel (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:**

RTHA, NUWO, CANG, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, ALHU, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, SAPH, CAKI, California ground squirrel, BGGN, SPTO, COHA, EUST, DEJU

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 initially scraping sprouts with hand tools. After their first break they continued in DG-4, but in another location near the parking dumpster area. In this location, the biologist separated the crew having some individuals work on hand pulling young non-native mustards and hemlocks, and other individual pulling dead hemlock and tarping it. Another crew member picked up trash throughout the restoration area. After lunch, two of the crew members moved to pulling small mustards and hemlock weeds in DG-4B (very sparse non-natives here) then to DG-4 (Boulder Zone). The biologist left the site at 1445.

**Additional Comments**

Evidence of cottontail herbivory on many of the planted plants.

Signature





**Vegetation\_clearing\_during\_facingN.jpg**  
-118.17693 34.19047



**Vegetation\_clearing\_before\_facingSE.jpg**  
-118.17533 34.19189



**Vegetation\_clearing\_during\_facingSE.jpg**  
-118.1755 34.19202

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	30 %
<b>End of Day</b>	15:00	64 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 digging holes (by hand and with an excavator), fusing pipes, laying irrigation and helping organize/unload a plant delivery in DG-2, DG-2 new channels, and 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:**

RTHA, CATH, MODO, WCSP, SPTO, SOSP, NOFL, NUWO, ACWO, CASJ, CALT, LEGO, OATI, BLPH, ALHU

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

**Log Entry**

0645: supervised crew fixing berms in DG-W-1.

0660: monitored pipe fusion nearby in DG-2.

0900: monitored use of an excavator to dig holes in DG-2/DG-2 new channels.

0908: plants arrived from tree of life. All plants were unloaded, organized, inventoried and checked for disease by the crew and myself. There were no unexpected shortages.

1215: entire crew moved into DG-2/DG-2 new channels to dig holes and lay irrigation.

1450: crew wrapped up digging while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-crew\_fusing\_pipe\_facingW.jpg  
-118.17202 34.19072



photo\_2-excavator\_use\_DG-2\_new\_channels\_facingS.jpg  
-118.17201 34.19092



photo\_3-plant\_inventory\_facingE.jpg  
-118.17159 34.19081



photo\_4-manual\_digging\_DG-2\_new\_channels\_facingNW.jpg  
-118.17204 34.19053

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	10 %
<b>End of Day</b>	14:15	70 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

5 person Labor Finders weeding crew clearing vegetation, short pepperweed and hemlock in DG-4 "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:**

SOSP CANG NOFL NUWO BGGN SPTO ANHU AMCR RCPA CASJ BEWR AUWA CATH MODO RTHA RSHA  
LEGO SAPH BLPH ACWO CALT swallow sp.

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

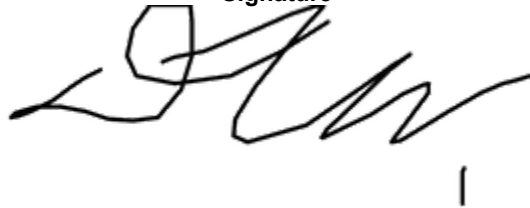
**Log Entry**

0645-1400: Vegetation clearing in DG-4. Primarily <5 inch pepperweed sprouts and hemlock.  
1415: Crew stopped vegetation work and did pipeline maintenance with Dee.

**Additional Comments**

N/A

Signature



A handwritten signature in black ink, appearing to be 'DKB', written over a horizontal line. Below the signature is a small vertical tick mark.



**Vegetation\_clearing\_before\_facingS.jpg**  
-118.1751 34.19035



**Vegetation\_clearing\_after\_facingS.jpg**  
-118.1751 34.19034



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	100 %
<b>End of Day</b>	14:41	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Planting crew in DG-2 channel south of Johnson Field. Daniel (Natures Image foreman) using mechanical drill to dig holes for most of the day.

**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 WCSP ANHU RTHA AMCR CASJ BGGN BEWR AUWA HOFI NOFL CATH NOMO SSHA RCKI LEGO  
ACWO KILL MALL NUWO CAQU CAKI

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

**Log Entry**

0645-0805: Work delayed due to rain.

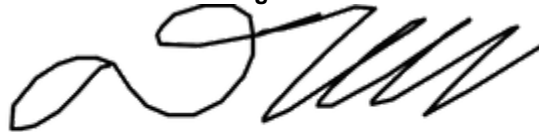
0805: Rain mostly clears up, light drizzling. Planting work begins in DG-2 south of Johnson Field. Wind picking up significantly at 0940 and died down at around 1130.

1440: Crew transitioned to irrigation pipe installation and maintenance.

**Additional Comments**

N/A

Signature





**Planting\_area\_DG-2\_during.jpg**  
-118.17193 34.1911



**Planting\_area\_DG-2\_after.jpg**  
-118.17196 34.19103

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	66 °F	10-12 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 planting and digging in DG-2, DG-2 new channels, 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:**

CATH, WCSP, CALT, CASJ, AMCR, RCKI, SPTO, SOSP, MALL, AMWI, BEWR, RTHA, ACWO, MODO, HOFI, COHU, YRWA, AMKE, NOFL, BUSH, NUWO, OATI, CORA, CAQU, western fence lizard, BLPH, SAPH, WTSW, COHA, TUVU, LEGO, BGGN, ROPI

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

**Log Entry**

0645: crew moved out to DG-2 for a tailgate meeting regarding standards for digging and planting while I did a pre-activity bird sweep. Discovered that the most recent plantings have been eaten by rabbits.  
0655: crew began digging and planting in DG-2 in the area beneath the large elderberry trees. A few crew members were assigned to put cages around sambucus plants.  
0740: monitored use of an excavator in DG-2 WOUS/DG-2new channels.  
0830: crew members moved to the area just west, working on the slope that leads into the channels. Work progressed south.  
1000: did a nesting bird survey in the area south of the current work area. Found nothing.  
1450: crew wrapped up digging while I inspected the site.

**Additional Comments**

**Signature**





photo\_1-planting\_efforts\_DG-2\_new\_channels\_facingN.jpg  
-118.17233 34.1899



photo\_2-planting\_efforts\_DG-2\_facingN.jpg  
-118.17223 34.19064



photo\_3-digging\_with\_excavator\_facingS.jpg  
-118.17228 34.18995

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	50 %
<b>End of Day</b>	14:45	68 °F	7-9 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Four workers from a temp agency performing vegetation removal by scraping sprouts and other non-natives using hand pulling and hand held tools in DG-4 and DG-4A. Daniel (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:**

RTHA, NUWO, CANG, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, ALHU, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, SAPH, CAKI, California ground squirrel, BGGN, SPTO, COHA, EUST, DEJU, MALL, RNDU, western fence lizard, side-blotched lizard, mole (dead from unknown causes), AMKE, NUWO, WEBL

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly in DG-4A scraping non-native sprouts (hemlock, mustard, and pepperweed) using hand tools and pulling bigger mustards all work day. Tarps were rarely used because the plants were in such a young stage. Throughout the day, the biologist was searching for bird nest and breeding behavior. The crew took all their required breaks. The biologist reiterated to the crew which plants to remove and which plants are native and not to remove. Also showing them patches of native spouts (Eucrypta sp. and Phacilia sp.) to not-remove. Some of the young native sprouts can easily be over looked when the crew is using tool to scrape. The biologist left the site at 1445.

**Additional Comments**

Signature





**Vegetation\_clearing\_during\_facingW.jpg**  
-118.17527 34.19004



**Vegetation\_clearing\_after\_facingS.jpg**  
-118.17506 34.19027



**Vegetation\_clearing\_before\_facingE.jpg**  
-118.17536 34.19127



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	7-9 MPH	0 %
<b>End of Day</b>	14:40	66 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 digging and planting in DG-2, 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:**

CAKI, CASJ, SPTO, CALT, CATH, WCSP, HOFI, ANHU, SOSF, LEGO, OATI, ACWO, RTHA, black bellied slender salamander, western fence lizard, California ground squirrel, RCKI, BUSH, BLPH, NUWO

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

**Log Entry**

0645: monitored planting and digging around the islands and in the channels in DG-2, DG-2 new channels.

0800: monitored use of an excavator progressing south through DG-2 WOUS

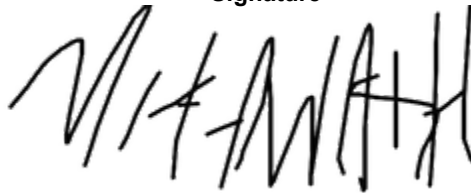
1400: most of the crew began moving plants to make room for tomorrow's delivery.

1440: crew wrapped up digging.

**Additional Comments**

N/A

Signature





photo\_1-planting\_efforts\_facingS.jpg  
-118.172 34.19081



photo\_2-planting\_efforts\_facingN.jpg  
-118.1718 34.19035



photo\_3-excavator\_digging\_progress\_facingN.jpg  
-118.17301 34.18838

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	10 %
<b>End of Day</b>	15:15	66 °F	10-12 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Five workers workers from a temp agency performing vegetation removal by scraping non-native sprouts and other non-natives using hand pulling and handheld tools in DG-4 and DG-4A. Daniel (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:**

RTHA, NUWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, CAKI, California ground squirrel, BGGN, WREN, EUST, western fence lizard, side-blotched lizard, WEBL, coyotes (3+ heard in early AM), ROPI, woodrat, STJA

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly in DG-4A scraping non-native sprouts (hemlock, mustard, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The crew and biologist took all their required breaks. The biologist reiterated to the crew which plants to remove and which plants are native and not to remove and pin flagged a couple young woody natives with potential to be easily overlooked by the crew. The biologist completed report and left the site at 1515.

**Additional Comments**

Signature





**Vegetation\_removal\_during\_facingSE.jpg**  
-118.17543 34.19036



**Vegetation\_clearing\_during.jpg**  
-118.17533 34.19024

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	4-6 MPH	0 %
<b>End of Day</b>	15:00	66 °F	10-12 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 digging, planting, and helping load plants in DG-2, DG-2 new channels, and 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:**

AMCR, CASJ, SPTO, WCSP, CATH, ANHU, BEWR, SOSP, CALT, NUWO, LEGO, HOFI, ACWO, MODO, CAKI, BLPH, RTHA

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

**Log Entry**

0645: monitored planting and digging in DG-2/DG-2 new channels.

0730: monitored use of an excavator to dig holes.

1000: crew helped unload and organize a shipment of plants from tree of life.

1130: resumed monitoring the planting and digging.

1450: crew wrapped up digging while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-crew\_placing\_microlines\_facingN.jpg  
-118.17186 34.19016



photo\_2-excavator\_use\_facingS.jpg  
-118.17248 34.18924



photo\_3-planting\_progress\_facingN.jpg  
-118.17204 34.19076



photo\_4-plant\_delivery\_facingE.jpg  
-118.17203 34.19077



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	0 %
<b>End of Day</b>	14:49	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5-person Labor Finders crew vegetation clearing in DG-4, south of 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:**

BGGN CALT CATH ACWO BEWR SOSP SPTO RBSA SOSP RTHA COHA CORA AMCR BLPH AUWA

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

**Log Entry**

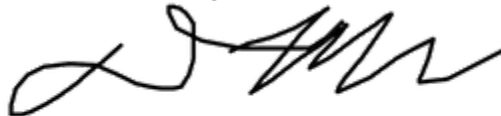
0645-1500: Crew vegetation clearing in DG-4 south of Twin Boulders area. ACWO excavating a cavity, entered in Collector.

1445: Crew stopped vegetation clearing and picked up trash.

**Additional Comments**

N/A

**Signature**





Vegetation\_clearing\_before\_facingS.jpg  
-118.17575 34.18989



ACWO\_excavation.jpg



ACWO\_excavation location.jpg



Vegetation\_clearing\_after\_facingNE.jpg  
-118.17573 34.19018

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: February 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	44 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	70 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) planting riparian mix and installing irrigation in DG-2, DG-2, new channels 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:**

CASJ, coyote, SOSF, CORA, ACWO, SPTO, RTHA, CATH, WCSP, ANHU, desert cottontail, HOFI, NOFL, TUVU, LEGO, DEJU, COHA, RCKI, CALT, BEWR

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

**Log Entry**

0645 Crew begins setting up for planting. Observed planting and irrigation install until 1130 then walked site to take photos at photo points, at County request. Returned to monitor crew at 1230. Continued until 1415 when weeding crew joined to help water plants and cage sambucus.

**Additional Comments**

N/A

**Signature**





**Placing containers\_DG-2 new channels.jpg**  
-118.17178 34.19035



**Anti-herbivory cage.jpg**  
-118.17185 34.19097

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: February 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	14:07	70 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5-person Labor Finders vegetation crew raking understory pepperweed/hemlock sprouts in DG-4 south of 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:**

CATH AUWA SPTO ACWO RCKI AMCR BEWR CASJ BGGN RTHA COHA SOSP HOFI NOFL NUWO SPTO CALT  
CAKI

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

**Log Entry**

0645-1400: Crew vegetation clearing in DG-4, south of Twin Boulders. Coyote walked through work area at 0739. Crew stopped vegetation work at 1400.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingW.jpg**  
-118.17544 34.19044



**Vegetation\_clearing\_after\_facingSW.jpg**  
-118.17539 34.1904

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	79 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 4 hand pulling perennial pepperweed and poison hemlock 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:**

CATH, WCSP, SPTO, NUWO, SOSP, HOFI, BEWR, NOFL, CASJ, BGGN, LEGO, BUSH, MODO, CAKI, CORA, ANHU, RSHA, RTHA, desert cottontail

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

**Log Entry**

0645: performed a pre-work inspection and monitored vegetation clearing at the border of DG-4A and DG-4.  
0830: moved crew to DG-4 near the border of the twin boulders field.  
0930: surveyed possible future work areas for nesting bird activity.  
1130: moved 2 crew members into DG-4A in the twin boulder field.  
1450: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature







**photo\_1-DG-4A\_before\_pulling\_facingN.jpg**  
-118.17548 34.19053



**photo\_2-DG-4A\_after\_pulling\_facingN.jpg**  
-118.17544 34.1905



**photo\_3-DG-4A\_before\_pulling\_facingN.jpg**  
-118.1757 34.19037



**photo\_4-DG-4A\_after\_pulling\_facingN.jpg**  
-118.17576 34.19039

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	4-6 MPH	0 %
<b>End of Day</b>	14:45	78 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Nine Natures Image workers digging holes and planting potted plants using hand tools and a back hoe auger in Johnson Field, DG W-1, DG-2, and DG-2 New Channels. Daniel (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:**

KILL, RTHA, NUWO, HOWR, MALL, ALHU, ROPI, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, SPTO, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, NOMO, CAKI, WREN, California ground squirrel, cottontail, DEJU, AMKE, TUVU, CAQU, BTPI, BEWR, gull sp. (flyover)

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew began digging holes using hand tools, backhoe, auger, and planting potted plants. Irrigation was also installed. The crew continued these activities until the end of work day. The biologist reminded the crew to remove trash at the end of the day, worked on report, then left site at 1445.

**Additional Comments**

N/A

Signature





**Planting\_after\_facingN.jpg**  
-118.17208 34.19058



**Planting\_before\_facingE.jpg**  
-118.17194 34.19058



**Planting\_during\_facingE.jpg**  
-118.17194 34.19065

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	13:45	75 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 spraying guide dots, laying irrigation, planting and digging holes in DG-2, 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:**

CASJ, BLPH, RTHA, WCSP, CALT, CATH, SOSF, SPTO, BUSH, ACWO, YRWA, RTHA, CORA, California ground squirrel, western fence lizard, CEDW, NOFL, LEGO, NUWO, CAQU, ALHU, OATI, common side blotched lizard, BGGN

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

**Log Entry**

0645: did a pre-activity survey and monitored digging and planting in DG-2, DG-2 new channels.

0715: monitored use of an excavator in DG-2 WOUS.

0830: performed a nesting bird survey on the northwest side of the site in DG-4 in anticipation of construction of a new air monitor.

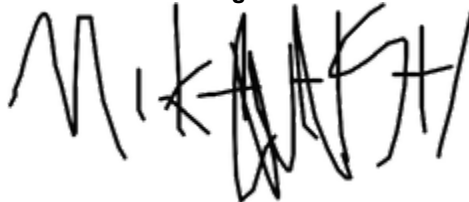
0910: resumed monitoring planting and digging. Sent a few crew members out to spray guide dots for the 8 foot channel bottom. Crew also began laying new irrigation in DG-2, DG-2 WOUS.

1345: crew wrapped up digging.

**Additional Comments**

N/A

Signature





photo\_1-crew\_laying\_irrigation\_facingS.jpg  
-118.17216 34.18965



photo\_2-planting\_progress\_facingN.jpg  
-118.17207 34.19001



photo\_3-planting\_progress\_facingNW.jpg  
-118.17193 34.19047



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	65 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	73 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Five workers from a Labor Finders performing vegetation removal by scraping non-native sprouts and other non-natives using hand pulling and handheld tools in DG-4 and DG-4A. Daniel and Mario (training) were Natures Image foremen.

**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, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, EUST, western fence lizard, side-blotched lizard, WEBL, ROPI, RSHA, CANG, COHA, WEBL, SPTO, DEJU, CAKI

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly in DG-4A scraping non-native sprouts (hemlock, mustard, and pepperweed) all day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist reiterated to the crew which plants to remove and which plants are native and not to remove and pin flagged a couple young woody natives with potential to be easily overlooked by the crew. The biologist completed report and left the site at 1445.

**Additional Comments**

**Signature**





**Vegetation\_removal\_before\_facingSW.jpg**  
-118.175 34.19097

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	0 %
<b>End of Day</b>	14:40	73 °F	0-3 MPH	6 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 laying microlines, planting and digging holes in DG-2, DG-2 new channels, 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:**

OATI, CASJ, CATH, WCSP, RTHA, SPTO, MODO, CALT, SOSOP, HOFI, BUSH, BLPH, California ground squirrel, desert cottontail, CAQU, MALL, western fence lizard, RBSA.

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

**Log Entry**

0645: performed a pre-activity nesting bird survey, then monitored planting and digging in DG-2, DG-2 new channels.

0900: performed a pre activity sweep and then moved a few crew members to the northwest corner of DG-2 to resume planting efforts.

1130: monitored use of an excavator in DG-2 WOUS/DG-2.

1322: 2 crew members began laying microlines in the newly planted areas.

1437: crew stopped digging and I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-planting\_progress\_facingS.jpg  
-118.1717 34.19008



photo\_2-planting\_progress\_facingNW.jpg  
-118.17215 34.19133



photo\_3-excavator\_use\_facingS.jpg  
-118.17271 34.18897

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: February 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	76 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Five workers from a Labor Finders performing vegetation removal by scraping non-native sprouts using hand pulling and handheld tools in DG-4 and DG-4A. Daniel and Mario (training) were Natures Image foremen.

**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, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, EUST, western fence lizard, side-blotched lizard, WEBL, ROPI, RSHA, CANG, WEBL, SPTO, DEJU, CAKI, CAQU, SAPH

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly in DG-4A scraping non-native sprouts (hemlock, mustard, and pepperweed) all day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The crew also needed redirection to avoid creating potholes. The biologist reiterated to the crew which plants to remove and which plants are native and not to remove and pin flagged a couple young woody natives with potential to be easily overlooked. After lunch, the crew was separated and part of the crew worked on pulling dead hemlock(seeds present) and tarping it. One BUSH nest was discovered and logged into Collector. The crew picked up their trash and the biologist completed report and left the site at 1445.

**Additional Comments**

More than once over the span of a month, a portion of the irrigation main line has been bitten into by an animal. It is reported to Daniel immediately and resolved.

**Signature**





**Vegetation\_removal\_during\_facingSE.jpg**  
-118.17507 34.19097



**Vegetation\_removal\_after\_facingNW.jpg**  
-118.17491 34.19069



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17527 34.19137



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: February 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	4-6 MPH	0 %
<b>End of Day</b>	14:30	70 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 planting and digging in DG-W-1, DG-2, 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:**

CASJ, CALT, SPTO, SOSP, LEGO, AMRO, MODO, CATH, WCSP, NUWO, WEBL, PEFA, ACWO, HOFI, CORA, RSHA, RNDU, RTHA, CAQU, BEWR, OATI, BUSH, fox squirrel, NOFL, BLPH, AMCR, ANHU, California ground squirrel, TUVU

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

**Log Entry**

0645: monitored planting of mulefat in DG-W-1. Peregrine falcon observed flying over Johnson field.

0920: performed a nesting bird survey in DG-2/DG-2 WOUS, monitored digging holes on the border of the low flow channels with an excavator.

1430: crew wrapped up digging while I inspected the site.

**Additional Comments**

Peregrine falcon observed flying over Johnson field, did not land on site. Continued flying north until I lost it in the mountains. Observation was at roughly 0830

**Signature**





photo\_1-planting\_progress\_facingSW.jpg  
-118.17092 34.19181



photo\_2-planting\_progress\_facingN.jpg  
-118.17155 34.19095



photo\_3-excavator\_digging\_progress\_facingS.jpg  
-118.17273 34.1888

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: February 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	0 %
<b>End of Day</b>	14:50	70 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (5) hand-weeding in DG-4A, foreman Mario

**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, RCKI, CASJ, LEGO, SPTO, WCSP, NUWO, YRWA, BEWR, MODO, CORA, ANHU, SOSP, BUSH, CATH, CALT, STJA, BLPH, NOFL, RTHA, HOFI, NRWS

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

**Log Entry**

0645 Daniel (foreman) got crew started removing young perennial pepperweed and mustards in DG-4, moving west towards planted area.

0800 Walked with new foreman Mario to show the site and different planted areas. Found two irrigation boxes with missing timers. Talked with Daniel about switching to manual controls.

1230 when crew returned from lunch, monitor noticed a dead willow with a broken trunk leaning against another tree. This snag is in an area where the crew will be working, so for safety the crew pushed it down. Monitor first cleared the area for nests and no other trees were damaged.

1400 bagpiper playing.

1450 crew stopped pulling.

**Additional Comments**

N/A

**Signature**





DG-4A facingW\_before.jpg  
-118.17714 34.18993



Knocking down a snag\_DG-4A.jpg  
-118.17681 34.18964



**View of completed area.jpg**  
-118.17712 34.18986

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: February 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	73 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8) planting in DG-W-1 and digging holes, planting, and laying irrigation in DG-2 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:**

ACWO, CASJ, ANHU, LEGO, CATH, CALT, HOFI, RTHA, MODO, CAQU, NOFL, BEWR, WCSP, CORA

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

**Log Entry**

0645 Crew continuing to plant mule fat in Johnson Field. The original delivery was short on this species so gaps were purposely left throughout the area. The foremen are continuing to prep the DG-2 areas by digging holes and laying irrigation.

0755 crew finished planting in Johnson Field and moved south to continue planting in DG-2 and DG-2 WOUS.

1300 crew stopped planting for the day while waiting for an essential irrigation part. Foreman continuing to use auger to dig holes along west edge of DG-2. Others are placing microline emitters and picking up trash throughout the site.

Monitor and foreman identified a eucalyptus (approx. 35 ft tall) that will be easily accessible for removal. Coordinating with lead ECORP monitor to schedule bat survey and oversight of removal.

**Additional Comments**

N/A

**Signature**





**Filling in gaps with mule fat\_DG-W-1\_facingS.jpg**  
-118.1716 34.19213



**Irrigation set up\_DG-2 WOUS\_facingN.jpg**  
-118.17235 34.1893





**Augering holes\_DG-2\_facingS.jpg**  
-118.17263 34.19097

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: David Wappler**  
**Date of Log: February 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	73 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 (Foreman Mario, Jesus, Jose and Daniel) weeding perennial pepperweed in DG-4 and DG-4A using 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:**

Avian: coha 1, casj 2, stja 1, spto 3, wcsp 14, bewr 4, lego 3, sosp 4, nuwo 1, nofl 1, wbnu 2, auwa 2, rcki 1, hofi 8, bush 14, blph 3, amcr 2, cath 1, phai 1

Herps: side-blotched lizard 3, western fence lizard 4

Mammals: California ground squirrel 1

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

**Log Entry**

0645 Arrived at project site

0715 Monitored vegetation clearing

0845 Observed COHA nearby gathering nest material.

1200-30 Lunch


1230 Monitored vegetation clearing

1515 Departed project site

**Additional Comments**

All trash picked up in weeding area.

**Signature**





**Pulling\_pepperweed\_facingW.jpg**  
-118.17666 34.1896



**Pulling\_pepperweed\_facingNW\_after.jpg**  
-118.17651 34.18958

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	73 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 (Daniel Holmes, foreman) doing planting/irrigation tasks on east 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:**

RCPA, RTHA, CORA, HOFI, SPTO, NUWO, CALT, ANHU, ALHU, NOFL, LEGO, CASJ, SOSP, ACWO, BEWR, RCKI, YRWA, MODO, NRWS, COHA, AMCR, CATH, OATI, BLPH, California ground squirrel, western fence lizard, desert cottontail, RBSA, HUVI, side-blotched lizard

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

**Log Entry**

0645 I met with the other Stillwater monitor, Mike, and weeding crew at Hahamongna Watershed Park and then followed Daniel Holmes to east side to monitor planting crew in DG-2, DG-2 WOUS. Some minor planting in DG-2 New Channels and DG-W-1 (Johnson Field) although these 2 areas are mostly complete. Most of the day was spent surveying for nesting birds. No nesting behaviors except for RTHA copulating in Eucalyptus at north end of Johnson Field. No sediment removal. Nesting habitat on this east side is not very well developed yet with the drought conditions. Most willows are barely leafing out. Mule fat foliage is relatively sparse. However, the few mature blue elderberries present are developing dense foliage. Understory herbaceous vegetative growth is negligible, with some poison hemlock patches up to 6 inches tall. Coast live oaks and associated perennial shrubs on adjacent slope hold most of the current potential for nesting. Bushtits were still observed to be flocking, with no nest construction observed. Hummingbirds (ALHU, ANHU) are present, but mostly males were observed. Perhaps some hummingbirds are nesting on the slope in the live oaks and eucalyptus since the mature willow cover/foliage is not yet developed. RTHA copulation observed at 1230 north of Johnson Field but no nest found. This was the only significant observation of these RTHA; one bird stayed and scanned for rodents. Restoration planting was uneventful, primarily occurring in the wide-open graded areas.

**Additional Comments**

N/A

**Signature**





photo\_1\_planting\_DG-2\_WOUS\_facingN.jpg  
-118.17296 34.1884



photo\_2\_planting\_DG-2\_and\_DG-2\_WOUS\_facingE.jpg  
-118.17245 34.18943



photo\_3\_auger\_DG-2\_facingNE.jpg  
-118.17144 34.19056

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	4-6 MPH	0 %
End of Day	14:55	72 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling perennial pepperweed, mustard, horehound in DG-4 near northwest parking lot.

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

WEBL, CATH, BGGN, CALT, CASJ, SPTO, SOSP, LEGO, CAQU, NOFL, MODO, BUSH, EUST, RTHA, HOFI, BLPH, WCSP, CAKI, ANHU, SATH, SAPH

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: gave weep training to a new crew member.

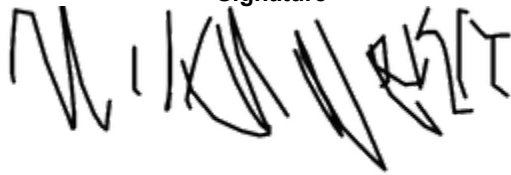
0715: monitored vegetation clearing in DG-4 near northwest parking lot. Work progressed north.

1435: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-DG-4\_hemlock\_before\_pulling\_facingNE.jpg  
-118.17227 34.19357



photo\_2-DG-4\_hemlock\_after\_pulling\_facingNE.jpg  
-118.17231 34.19361





photo\_3-DG-4\_pepperweed\_before\_pulling\_facingN.jpg  
-118.17234 34.19362



photo\_4-DG-4\_pepperweed\_after\_pulling\_facingN.jpg  
-118.17235 34.19364

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	73 °F	4-6 MPH	35 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 laying microlines, planting and digging in DG-2, 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:**

CATH, CASJ, SPTO, RTHA, WCSP, BEWR, CAQU, CALT, AMCR, RUHU, ALHU, LEGO, ANHU, WREN, OATI, MALL, BLPH, LEGO

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

**Log Entry**

0645: performed a pre-activity nesting bird sweep in DG-2, DG-2 WOUS.

0655: monitored planting and digging in DG-2, DG-2 WOUS.

0930: identified areas where plants had been eaten by rodents, briefed crew members, began preparing cages for plants.

1300: crew began re-digging holes which had collapsed.

1430: monitored use of an excavator in DG-2 along the western edge of the east side.

1500: crew wrapped up for the day.

**Additional Comments**

N/A

Signature





**photo\_1-digging\_progress\_facingS.jpg**  
-118.17297 34.18835



**photo\_2-fixing\_collapsed\_holes\_facingN.jpg**  
-118.17172 34.1903



photo\_3-laying\_microlines\_facingS.jpg  
-118.17181 34.19017



photo\_4-newly\_added\_cages\_facingS.jpg  
-118.1723 34.19057

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: March 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	30 %
<b>End of Day</b>	15:00	73 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (7) removing non-native plants and repairing basins in planted area in north 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:**

CAGO, NOFL, ANHU, HOFI, CAQU, SOSP, CASJ, CORA, LEGO, MODO, CATH, desert cottontail, CALT, WCSP, ACWO, OATI, ALHU, COHA, pocket gopher

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

**Log Entry**

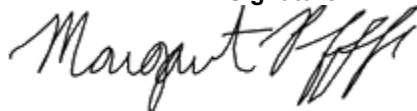
0645 Crew assembled in the north of DG-4 in large gravel area. Monitor cleared nearby planted area before allowing the crew to start. Crew is using hand tools to remove young poison hemlock and some pepperweed and mustards. Several Canada geese flying overhead. Monitor spent most of the day nest searching and watching for nesting behavior around the work area. Also made sure new foreman could differentiate between phacelia and poison hemlock seedlings to inform crew.

1130 spoke with Charlie from TetraTech regarding the new air quality station. He will coordinate with lead monitors from ECORP and Stillwater once location and access is decided. Vegetation was tarped and hauled to the dumpster. Crew continued pulling until 1500.

**Additional Comments**

N/A

**Signature**





**Weeding in DG-4\_facingN\_before.jpg**  
-118.1721 34.19365



**Work area\_after.jpg**  
-118.17215 34.19354

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	4-6 MPH	50 %
<b>End of Day</b>	12:30	48 °F	10-12 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 seeding Johnson field (DG-W-1), and adding cages, fixing collapsed plants, and digging in DG-2, 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:**

WREN, CASJ, CALT, WCSP, SOSP, CORA, BEWR, HOFI, ALHU, CATH, desert cottontail, ANHU, RTHA, MODO, NOFL

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

**Log Entry**

0645: performed a nesting bird survey in DG-W-1, DG-2, DG-2 new channels while the crew was readying equipment.

0700: crew began spreading seed in DG-W-1 in anticipation of the rain. Half of the crew moved just south into DG-2, DG-2 new channels to work on adding cages to plants and fixing collapsed plants.

0810: work on collapsed plants ceased, leaving most of the crew (10) spreading seed while the rest prepared cages.

1100: rain began.

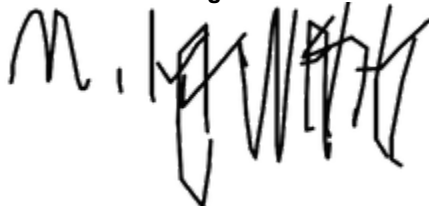
1130: monitored use of an excavator in DG-2.

1230: the day was called due to strong winds and rain, crew began wrapping up.

**Additional Comments**

N/A

**Signature**





photo\_1-crew\_tilling\_seeded\_area\_facingW.jpg  
-118.17155 34.19212



photo\_2-crew\_spreading\_seed\_mix\_facingE.jpg  
-118.17155 34.19213





photo\_3-fixing\_collapsed\_plants\_facingE.jpg  
-118.17167 34.19075

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	85 %
<b>End of Day</b>	12:45	63 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Five Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon). Daniel and Mario were Natures Image foremen.

**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, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, SPTO, DEJU, CAKI, EUST

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 scraping and hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. One California scrub-jay nest was observed and entered into Collector; adults were building. The biologist created a physical buffer with pink flagging for the crew. The biologist answered plant questions and guides crew on which plants to remove. The crew tarped removed vegetation and delivered to dumpster. The crew picked up their trash and the biologist completed report and left the site at 1245

**Additional Comments**

Moderate heavy rain from 1100-

**Signature**





Vegetation\_clearing\_during\_facingW.jpg  
-118.17234 34.19455

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	66 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 tilling a recently seeded area of DG-W-1, planting, digging, and placing cages in DG-2, DG-2 WOUS, 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:**

MODO, CATH, CASJ, WCSP, CALT, SOSP, BUSH, MALL, CAGO, WREN, BLPH, ACWO, HOFI, CORA, LEGO, ANHU, ALHU, EUST, CAKI, NUWO, NOFL, BEWR, bobcat

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

**Log Entry**

0645: monitored tilling efforts in DG-W-1.

1130: crew began planting, digging, and adding cages to plants in DG-2, DG-2 new channels, and DG-2 WOUS just downslope of the easternmost trail on the site.

1210: monitored use of an excavator on the far west side of DG-2.

1235: moved excavator to far south side of DG-2.

1450: crew began wrapping up digging while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-tilled\_and\_seeded\_area\_DG-W-1\_facingS.jpg  
-118.1716 34.19166



photo\_2-excavator\_use\_DG-2\_facingE.jpg  
-118.17261 34.19079



photo\_3-new\_cages\_DG-2\_facingS.jpg  
-118.17241 34.18923



photo\_4-planting\_progress\_DG-2\_facingS.jpg  
-118.17271 34.18948

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	0 %
End of Day	15:00	67 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon). Daniel- 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:**

RTHA, NUWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, SPTO, DEJU, SAPH, EUST, bobcat observed catching squirrels and running.

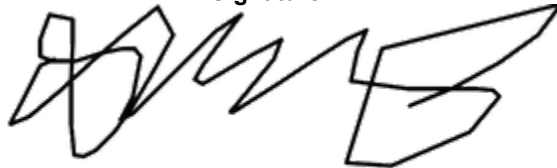
**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions . The crew tarp removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1500.

**Additional Comments**

Signature





**Vegetation\_removal\_during\_facingSW.jpg**  
-118.17211 34.19516



**Vegetation\_removal\_before\_facingS.jpg**  
-118.17321 34.19363



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: March 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	77 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) planting, digging holes, and installing irrigation in DG-2 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:**

NUWO, CASJ, ANHU, SOSP, desert cottontail, WCSP, HOFI, CATH, CALT, LEGO, CORA, BLPH, SPTO, OATI, BEWR, MALL, RCKI, NOMO

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

**Log Entry**

0645 crew continuing to plant in DG-2. Two members organizing equipment container.

0800 walked southernmost section of DG-2 with foreman to find last areas to plant in. Found a section and surveyed for access route and nests.

0930 monitored excavator clearing dead non-native thatch. Other areas to be cleared by hand next week.

1130 crew continuing to plant along channel in DG-2 WOUS and clear brush with mini-excavator in DG-2. Also began fusing large irrigation pipe to install a new control box in west side of DG-2. Monitor continued nest searching, especially in southern portions of the work area.

1200 foreman began digging holes with auger in cleared section. Others stopped planting and focused on irrigation install.

1420 finished digging holes in DG-2.

**Additional Comments**

N/A

**Signature**





**Photo 1-planting in south of DG-2\_facingS.jpg**  
-118.17266 34.1896



**Photo 2-clearing south end of DG-2.jpg**  
-118.17317 34.18817



**Photo 3-planting complete\_same view as photo 1.jpg**  
-118.17267 34.18956



**Photo 4-cleared and holes dug\_same view as photo 2.jpg**  
-118.17315 34.18823

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	72 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon) and slightly DG-4C. Daniel- 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:**

RTHA, NUWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, western fence lizard, side-blotched lizard, western whiptail, BGGN, coyote

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly DG-4C in the afternoon, hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions . The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1500.

**Additional Comments**

**Signature**





**Vegetation\_removal\_during\_facingE.jpg**  
-118.17326 34.19375



**Vegetation\_clearing\_during\_facingE.jpg**  
-118.17324 34.19371

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51 °F	0-3 MPH	100 %
<b>End of Day</b>	15:15	61 °F	4-6 MPH	90 %

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

Restoration Monitoring

**Construction Activity:**

Most of the day spent monitoring planting/irrigation crew in DG-2, 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, RCPA, CALT, BEWR, ALHU, ANHU, RCKI, CASJ, CATH, ACWO, AMCR, BLPH, LEGO, CORA, MODO, WEBL, YRWA, COHA, CAKI, RTHA, NOFL, California ground squirrel, HUVI, NUWO, MOCH heard upslope at 34.190925°N 118.170693°W, WCSP, GCSP, OATI, CAQU

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

**Log Entry**

0645 met with Daniel Holmes and other workers at Hahamongna park parking lot to go to east side. Once there, parking near dam to survey small area with other biologist Mike Walsh to clear an area for nesting birds that will be weeded this morning, approx. 34.188296°N 118.172842°W (DG-2). No nesting behaviors seen (ALHU, CASJ, SOSP, BEWR, HOFI, CALT, etc.).

0815 moved to planting crew at DG-2, called Margie at Stillwater to discuss project. Nest-searched and monitored crew for the rest of the day, however, no nesting behaviors were observed.

1045 chatted briefly with Christine of ECORP regarding nesting. Planting crew is fairly spread out today along the east side. A generator was used in the mule fat scrub for about 30-60 minutes to run the hose fusion coupling device. Crew stopped work at 1500; walk to car and notes until 1530.

**Additional Comments**

N/A

**Signature**





photo\_1-planting\_DG-2\_facingNW.jpg  
-118.17227 34.18983



photo\_2-planting\_DG-2\_facing\_NE.jpg  
-118.17175 34.19023

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	95 %
<b>End of Day</b>	15:00	62 °F	4-6 MPH	90 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling perennial pepperweed and poison hemlock in the southwest corner of DG-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:**

NUWO, SPTO, ANHU, CALT, CASJ, SOSP, CATH, AMCR, WCSP, HOFI, WREN, MALL, RCKI, CORA, HETH, KILL, VGSW, RTHA

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

**Log Entry**

0645: performed a nesting bird survey in the far south corner of DG-2.

0700: flagged off the eastern border of DG-2, had a tailgate meeting with crew to go over weeds in area and borders of the area.

0710: monitored vegetation clearing in DG-2.

1400: moved a few crew members to west side of DG-2 in the same general area.

**Additional Comments**

N/A

Signature







**photo\_1-DG-2\_before\_pulling\_facingW.jpg**  
-118.173 34.18812



**photo\_2-DG-2\_after\_pulling\_facingW.jpg**  
-118.17295 34.1881



**photo\_3-DG-2\_before\_pulling\_facingW.jpg**  
-118.17272 34.18848



**photo\_4-DG-2\_after\_pulling\_facingW.jpg**  
-118.17276 34.18846

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	48 °F	0-3 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 adding microlines, caging plants, planting and digging holes in DG-2, DG-2 new channels, 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:**

CALT, CATH, RTHA, OATI, CASJ, ANHU, SPTO, HOFI, LEGO, ALHU, WCSP, ACWO, NOFL, NUWO, CORA, WEBL, BLPH, YRWA, RCKI, black-bellied slender salamander, SOSP, CAKI, EUST, MOCH, MERL, MODO, VGSW, BUSH, AMCR, TUVU, BEWR

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

**Log Entry**

0645: performed a nesting bird survey while the crew lead had a tailgate meeting with the crew members regarding the day's strategy.

0710: crew began flagging places to add microlines and new plants.

0735: crew began digging and planting in DG-2, DG-2 WOUS.

1200: monitored use of an excavator in the far south end of DG-2.

1500: crew wrapped up for the day.

**Additional Comments**

N/A

Signature





photo\_1-crew\_flagging\_microlines\_facingSE.jpg  
-118.17167 34.19023



photo\_2-DG-2\_planting\_progress\_facingN.jpg  
-118.17312 34.18822



photo\_3-DG-2\_planting\_progress\_facingE.jpg  
-118.17247 34.19076



photo\_4-excavator\_use\_facingW.jpg  
-118.17284 34.18831

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: David Wappler**  
**Date of Log: March 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	50 %
<b>End of Day</b>	15:15	62 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 1 foreman (Mario) and six laborers (Cynthia, Jesus, Daniel, Eduardo, Jose and Louis) used hand tools to weed invasive, non-native species. Two other laborers from another Natures Image crew joined the crew 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:**

Avian (23): rtha 2, coha 2 (1 adult, 1 juv), cora 4, nofl 1, calt 5, cath 1, casj 4, rcki 1, spto 4, bewr 5, bush 45, hofi 10, lego 5, webl 4, sosp 3, alhu 2, anhu 1, nuwo 1, wren 1, auwa 4, wcsp 5, stja 1, oati 2. Herps: western fence lizard 2. Mammals: California ground squirrel 1.

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

**Log Entry**

0645 Met at west parking lot

0700 Crew moved to north lot

0715 Crew weeded black mustard in a northern section of DG-4.

0800 Crew moved to "Primrose Area" on west side.

0815 Crew weeds in west side DG-4 and DG-4A. Weeds include perennal pepperweed, black mustard, and poison hemlock.

0900 Crew takes a 30-minute break.

1030 Crew using steamer departs due to equipment not working properly.

1200 Crew takes 30-minute lunch.

1230 Crew resumes weeding.

1515 End of workday

**Additional Comments**

N/A

**Signature**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	39 °F	0-3 MPH	5 %
<b>End of Day</b>	14:50	52 °F	7-9 MPH	95 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 planting, digging, fusing pipe, weed whacking poison hemlock, and seeding in DG-2, DG-2 new channels, 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:**

MALL, CALT, RTHA, SOSP, CATH, CAQU, CASJ, SPTO, HOFI, WCSP, ALHU, LEGO, CAKI, ACWO, NOFL, MODO, CORA, BLPH, KILL, BUSH, SSHA, MOCH, BGGN

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

**Log Entry**

0645: monitored placing of plants, planting and digging in DG-2, DG-2 new channels.

0700: a couple crew members began fusing pipe in DG-2, monitored this activity.

0730: scouted new areas to plant, found one in DG-2. Performed a nesting bird survey in the area.

0920: crew began seeding DG-2, DG-2 new channels.

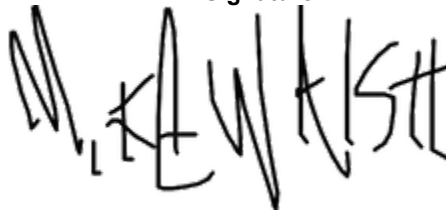
1145: crew began tilling areas which had been seeded, monitored clearing of poison hemlock seedlings with a weedwhacker in DG-2.

1445: crew began wrapping up while I inspected the site.

**Additional Comments**

Light rain on and off throughout the day

Signature





photo\_1-DG-2\_planting\_progress\_facingNE.jpg  
-118.17224 34.18991



photo\_2-crew\_seeding\_DG-2\_new\_channels\_facingW.jpg  
-118.17145 34.19078





photo\_3-newly\_seeded\_area\_facingN.jpg  
-118.17221 34.19018



photo\_4-DG-2\_vegetation\_clearing\_facingW.jpg  
-118.17233 34.18992

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	80 %
<b>End of Day</b>	15:00	50 °F	4-6 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Five Labor Finders workers and two Natures Image workers performing vegetation removal using hand pulling and hand-held tools in DG-4. Mario- 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:**

RTHA, COHA, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, Botta's pocket gopher, WEME, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, coyote

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

**Log Entry**

0645 biologist arrived on site and met with crew. Crew worked in DG-4 using hand pulling/hand-held tools on non-natives mostly all in vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. One new nest (CASJ\_4) was discovered and buffer was flagged. The biologist answered plant questions . The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1500.

**Additional Comments**

1 new nest. CASJ\_4

Signature





**Vegetation\_clearing\_before\_facingS.jpg**  
-118.17332 34.19346



**Vegetation\_removal\_during\_facingS.jpg**  
-118.17337 34.19351



**Vegetation\_removal\_after\_facingS.jpg**  
-118.17341 34.19348

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	38 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	53 °F	4-6 MPH	80 %

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

Construction Monitoring

**Construction Activity:**

Working with Natures Image temp crew (weeding), 9 workers with foreman Mario Godoy in northern project 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:**

HOFI, AMCR, CORA, HUVI, SOSP, WEME, ACWO, NOFL, BEWR, CASJ, RCKI, WCSP, MODO, BUSH, CALT, SPTO, LEGO, MOCH, RTHA, SSHA, side-blotched lizard, ALHU, ANHU, Botta pocket gopher, BGGN, EUST, TUVU, CAKI

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

**Log Entry**

0645 start with temp weeding crew at DG-4, east and northeast of north parking lot. Crew mostly getting low sprouts of hemlock, mustard etc. with tillers/hoes in the coastal sage scrub and mule fat/edges. No new nesting discovered here; CASJ nests stil active although CASJ\_4 confirmed to not have eggs yet.

1135 Mario leaves and leaves Alberto in charge.

1200 right at lunch, heavy rain for 15 minutes. The rain stops by 1230 and work resumes. Several of the crew get further south in scrub, closer to willows. Frisbee golfers getting sloppy and almost hitting myself and others with their disks. Overall, no new nesting activity or behaviors seen. Crew done at 1500.

**Additional Comments**

N/A

**Signature**





photo\_1\_hand\_pulling\_DG-4\_facingN.jpg  
-118.17207 34.1952



photo\_2\_hand\_pulling\_DG-4\_facingSE.jpg  
-118.17249 34.19438

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: March 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	37 °F	0-3 MPH	5 %
<b>End of Day</b>	14:30	54 °F	4-6 MPH	60 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crews planting, broadcasting seed, and digging holes in DG-2, 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:**

CASJ, WCSP, BEWR, CORA, RTHA, BUSH, desert cottontail, coyote, CAGO, CATH, SOSP, KILL, MALL, ANHU, LEGO, HOFI, CALT, RCKI, SSHA, YRWA, NOFL, ACWO

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

**Log Entry**

Crew set aside excess plants from DG-2 to be moved to Mining Pit (DG-W-2). One group planting along DG-2 WOUS channel and other in south end of DG-2. Filling in last open spaces with remaining plant.

0930 crew continued broadcasting seeds by hand in DG-2 and DG-2 new channels.

1215-1245 paused work for rain. Foremen used mini-excavator and weed whackers to clear pocket of weeds in northwest of DG-2. Began digging holes with auger. Crew began cleaning up at 1415.

**Additional Comments**

N/A

**Signature**





**Plants staged in DG-2\_facingSW.jpg**  
-118.17277 34.18832



**Clearing non-native vegetation for planting\_DG-2\_facingNE.jpg**  
-118.17257 34.19132





Area cleared\_vegetation piled\_holes started.jpg  
-118.17239 34.19106

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	4-6 MPH	100 %
<b>End of Day</b>	15:15	51 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 with Daniel Holmes, foreman on east side, DG-2, DG-2 New Channels, DG-2 WOUS. Second Natures Image planting crew of 5 led by Lalo working slightly further south.

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

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

**List of species observed while monitoring:**

WESJ, CAQU, YRWA, WCSP, BGGN, RCKI, BUSH, RTHA, ALHU, ANHU, WEBL, BEWR, desert cottontail, alligator lizard, CASJ, BLPH, MALL, CANG, HOFI, LEGO, CALT, CATH, SPTO, NUWO, ACWO, CORA, AMCR, California ground squirrel

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

**Log Entry**

0645 steady rain, so work is paused until it lets up.

0730 still raining lightly but I walk the entire planting area to survey for nests.

0930 some of Lalo's crew start to work on some irrigation lines but it quickly starts raining again. All work is paused through the 1100-1130 lunch, work starts up about 1145 once it finally stops raining.

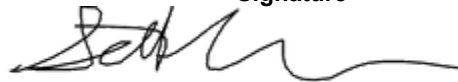
1200 I am monitoring Daniel work the excavator/auger to drill some planting holes near/under a willow canopy at 34.191046°N 118.172346°W (DG-2). Relocated large alligator lizard out of harm's way. Also some weed abatement here to prep for planting (last year's poison hemlock stalks pulled and weed whacking 2021 low hemlock green growth). 2-3 CASJ excited but not seeing any indication of nesting. Monitoring weeding and hole-digging on east edge near coast live oaks on slope (due east of above area), similar agitation amongst CASJ, SPTO but no nests found.

1500 crews done packing up.

**Additional Comments**

Rained out most of the morning. Cold day, occasional light showers in afternoon.

**Signature**





photo\_1-excavator-auger\_DG-2\_facingSW.jpg  
-118.1723 34.19113



photo\_2-excavator-auger\_DG-2\_facingNE.jpg  
-118.17245 34.19108



photo\_3-weeding\_planting\_DG-2\_facingN.jpg  
-118.17155 34.19067

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	4-6 MPH	100 %
<b>End of Day</b>	13:00	50 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 8 clearing mustard and poison hemlock in DG-4 on the northwest 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:**

CAQU, CATH, SOSP, CALT, SPTO, WREN, NOFL, CASJ, RTHA, ACWO, MODO, HOFI, LEGO, EUST, WEBL, YRWA, CORA, desert cottontail

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

**Log Entry**

0645: performed a nesting bird survey.

0700: monitored vegetation clearing in DG-4.

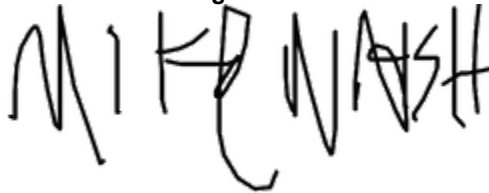
1110: found a possible ACWO nest about 50 ft northwest of the northernmost parking lot on the east side. All pertinent information logged in collector.

1300: crew began wrapping up vegetation removal to focus on irrigation maintenance while I inspected the site.

**Additional Comments**

Scattered showers throughout the day, very little noticeable bird activity.

**Signature**





photo\_1-DG-4\_vegetation\_clearing\_before\_facingW.jpg  
-118.17275 34.19343



photo\_2-DG-4\_vegetation\_clearing\_after\_facingW.jpg  
-118.17276 34.19344



photo\_3-DG-4\_vegetation\_clearing\_before\_facingW.jpg  
-118.17281 34.19342



photo\_4-DG-4\_vegetation\_clearing\_after\_facingW.jpg  
-118.17279 34.19345

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	37 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	60 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Monitoring Labor Finders crew (weeding) on west side, around north parking lot and south of main parking lot. 8 workers including foreman Mario Godoy.

**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, RCPA, AMCR, BGGN, CASJ, PUF1, RCKI, CATH, BEWR, SOSP, WEME, ACWO, ALHU, ANHU, LEGO, desert cottontail, CORA, EUST, STJA, COHA, western toad, MODO, RTHA, BUSH, WEBL, OATI, WBNU, SPTO, CAQU, side-blotched lizard, western fence lizard

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

**Log Entry**

0645 monitoring weed removal at southeast edge of coastal sage scrub area east of parking lot (DG-4, DG-4A). Low sprouts of mustard and hemlock.

0730 located new CASJ nest (CASJ\_5) under construction at 34.193016°N 118.172690°W, entered into collector, flagged buffer at approx 80 ft. Checked CASJ\_4 and 1 CASJ sitting tight, 2nd bird on patrol.

0930 moving briefly to north edge of project area, DG-4 plantings in CSS in sandy rocky soils (horehound, flowering mustard, 2020 tocalote fruits).

1000-1100 pulling in a small planted area along the road toward southwest end (34.189826°N 118.177221°W), DG-4. 1100 move slightly north to 34.191486°N 118.176306°W: pepperweed, mustards, grasses. New BUSH nest found, building, nearly completed in coast live oak. Establishing 50 ft buffer. MODO pair observed copulating 20 feet from BUSH nest. They are staying close by but no nest found. Much BEWR activity in this area as well, seem slightly agitated at workers but only temporarily.

1506 RTHA copulating on power pole, one possibly with small stick in bill, appear to be using general area to the south and west.

**Additional Comments**

N/A

**Signature**







**photo\_1\_handpulling\_DG-4\_facingSW.jpg**  
-118.17259 34.19558



**photo\_2\_handpulling\_DG-4\_facingSE.jpg**  
-118.17642 34.19157



photo\_3\_after\_handpulling\_DG-4\_facingSW.jpg  
-118.17644 34.19148

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	37 °F	4-6 MPH	0 %
<b>End of Day</b>	15:00	57 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 planting, digging, laying irrigation, and unloading plants in DG-2 new channels and DG-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:**

CASJ, CALT, SOSP, CANG, WCSP, HOFI, KILL, NUWO, ALHU, coyote, BLPH, SPTO, CAQU, WEBL, YRWA, LEGO, EUST, RTHA, RCKI, OATI, AMCR, SSHA

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

**Log Entry**

0645: performed a nesting bird survey in DG-2.

0700: monitored planting in DG-2, DG-2 WOUS.

0730: monitored vegetation clearing with a weed whacker in DG-2.

0820: found a scrub jay nest in DG-2 near the west side of Johnson field. All relevant details were logged into collector and crew was advised to avoid by 60 feet. Buffer was flagged.

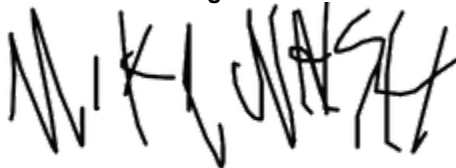
1015: took delivery on 445 new plants from hahamongna nursery.

1450: crew began wrapping up digging while I inspected the site

**Additional Comments**

N/A

Signature





photo\_1-crew\_member\_clearing\_vegetation\_DG-2\_facingE.jpg  
-118.17228 34.19109



photo\_2-newly\_delivered\_plants\_facingS.jpg  
-118.17142 34.1908



photo\_3-planting\_progress\_facingNE.jpg  
-118.17225 34.19108



photo\_4-CASJ\_approximate\_nest\_location\_facingW.jpg  
-118.17215 34.19141

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	66 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 with Mario Godoy hand-pulling on 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:**

BEWR, PUFI, CASJ, MODO, BUSH, RCPA, STJA, CALT, CATH, CORA, LEGO, ACWO, SPTO, WCSP, WBNU, SOSR, RCKI, HOFI, CATH, WEBL, desert cottontail, CAQU, RSHA, COHA, YRWA, CAKI, ALHU, ANHU

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

**Log Entry**

0645 continuing hand-removal along main road/power-line corridor on west side at same site as yesterday afternoon (approx. 34.191466°N 118.176320°W), DG-4. Active BUSH (nest), MODO, BEWR, CASJ. CALT briefly holding nest material south of here but dropped it.

0945 recorded new CASJ\_7 nest (bldg) in coast live oak by baseball field - likely no project effects or buffers require due to location beyond project area boundaries (but pair territory overlaps DG zone).

1000 crew moves over the 'boulder' site, closer to the sediment removal zone, at approx 34.191265°N 118.175209°W to weed around plantings. Willows still lack foliage but area is bordered by dense mule fat. CASJ, CATH, HOFI, NOFL, BUSH.

1100 Crew noticing CASJ carrying material near their work location so I have them move to a location south to 34.190885°N 118.175278°W along access road. I attempted to find the potential nest at the original location but am only seeing jays bringing in acorns to cache.


1310 attempting to follow up on Christine's CATH\_1 nest but wasn't able to find anything during a quick non-intrusive search. Best to check it out in the morning hours.

1315 crew moves to DG-4B planted area adjacent to main dumpster parking lot. I instruct the workers on some of the tiny native vs nonnative plants emerging. E.g., Phacelia ramosissimum, Phacelia minor, Ambrosia acanthicarpa vs Erodium cicutarium, Urtica urens, Chenopodium album etc. Dwarf nettle clumps are getting tall (8-10 in.) and Sisymbrium and Lepidium are vigorously growing as well. Only just started this site, lots of work to do still.

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_DG-4\_facingNW.jpg  
-118.17503 34.19129



photo\_2-hand-pulling\_DG-4\_facingW.jpg  
-118.17517 34.19097



photo\_3-hand-pulling\_DG-4B\_facingNW.jpg  
-118.17497 34.19203



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	36 °F	0-3 MPH	0 %
<b>End of Day</b>	13:10	61 °F	4-6 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 clearing vegetation, adding microlines, moving existing plants, planting and digging in DG-2, DG-2 New channels near the culvert at the south end of the 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:**

SOSP, AMCR, CALT, CASJ, SPTO, CANG, HOFI, BUSH, WCSP, CATH, MODO, KILL, BLPH, CORA, ACWO, LEGO, NUWO, ALHU, ANHU, EUST, VGSW

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

**Log Entry**

0645: monitored vegetation clearing in DG-2 on the north side.

0720: monitored the moving of a few plants near the fence line at the western border of DG-2.

0750: monitored planting and digging in DG-2 and DG-2 new channels on the north side.

1130: a few crew members began adding microlines to new plants.

**Additional Comments**

N/A

Signature





photo\_1-vegetation\_clearing\_before\_DG-2\_facingN.jpg  
-118.17177 34.19078



photo\_2-vegetation\_clearing\_after\_DG-2\_facingN.jpg  
-118.17179 34.19073



photo\_3-microline\_maintenance\_facingW.jpg  
-118.17218 34.19114



photo\_4-planting\_progress\_DG-2\_facingN.jpg  
-118.17159 34.19061

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	66 °F	0-3 MPH	25 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders/Natures Image crew of 8 hand pulling mustard, perennial pepperweed and erodium in DG-4B and weed whacking/hand pulling non-native grasses and erodium in DG-5.

**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, WCSP, NUWO, SPTO, CALT, LEGO, HOFI, CASJ, ANHU, COHA, ACWO, WREN, CATH, WEBL, MODO, EUST, YRWA, RTHA, OATI, BEWR, OCWA, CAKI, western toad, western fence lizard

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

**Log Entry**

0645: monitored vegetation clearing in DG-4B.

1130: performed a nesting bird survey in DG-5.

1230: monitored vegetation clearing by hand and with a weed whacker in DG-5.

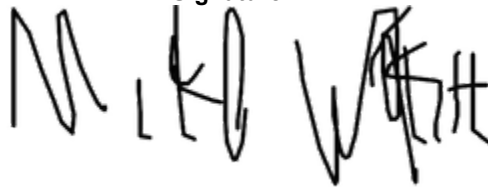
1350: relocated a western toad from the work area to DG-4 about 100 feet east.

1450: crew began wrapping up while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-DG-4B\_vegetation\_clearing\_before\_facingE.jpg  
-118.17504 34.19211



photo\_2-DG-4B\_vegetation\_clearing\_after\_facingE.jpg  
-118.17506 34.19207



photo\_3-DG-5\_vegetation\_clearing\_before\_facingE.jpg  
-118.17685 34.19098



photo\_4-DG-5\_vegetation\_clearing\_after\_facingE.jpg  
-118.1769 34.19101

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: March 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	0-3 MPH	50 %
<b>End of Day</b>	15:00	69 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) installing microlines, digging holes, and planting in DG-2, 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:**

CORA, BEWR, LEGO, desert cottontail, CASJ, WCSP, CALT, RCKI, SOSP, ANHU, WEME, MODO, ACWO, WEBL, RTHA, SPTO, alligator lizard, California striped racer, NOMO, NRWS

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

**Log Entry**

0645 Monitor arrived on site. Crew staging equipment to continue installing microlines in DG-2 and DG-2 WOUS, digging holes and planting in DG-2.

0745 observed pair of California thrashers bringing nesting material into a large mulefat at the south end of DG-2.

Added to Collector, but will have to return. Planting/irrigation is complete here.

0800 Monitor met with County photographer to tour progress throughout site.

0900 crew found small pocket of weeds that could be removed for planting. Instructed them to wait on using weed whackers until Monitor could return to observe.

1130 Met with County surveyors and ECORP biologist at southwest boundary of DG-2. Used sub-meter GPS to compare lines on the ground and in Collector.

1300 Tree of Life nursery truck arrived to pick up empty gallon pots. Entire crew helped collect and load. Crew continued planting and installing irrigation in small pocket on west side of DG-2. Finished at 1445 and began cleaning up and caging new plants.

**Additional Comments**

N/A

**Signature**





**Completed planting in DG-2 pocket.jpg**  
-118.17241 34.19027



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: March 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	13:45	72 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 planting, digging, placing cages, cleaning up, and laying irrigation in DG-2, DG-2 WOUS, DG-2 new channels, DG-W-1, and moving plants to 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:**

CANG, SOSP, SPTO, CATH, CALT, CASJ, WCSP, RCKI, HOFI, BUSH, ACWO, KILL, MODO, CAKI, MALL

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

**Log Entry**

0645: monitored planting and digging in DG-2 while a few crew members did a sweep of the east side for trash and 2 crew members made rodent deterrent cages for plants.

0810: monitored vegetation clearing with a weed whacker in DG-2.

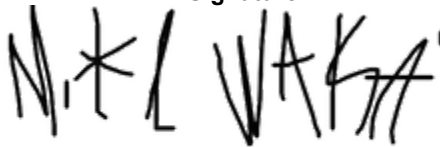
0820: monitored planting in the weed-whacked area.

1335: crew finished planting, I inspected the site and did a final lap for debris leftover from planting. They began checking microlines and making/placing cages around plants.

**Additional Comments**

N/A

Signature





photo\_1-DG-2\_new\_plants\_facingE.jpg  
-118.17199 34.1909



photo\_2-DG-2\_new\_plants\_facingW.jpg  
-118.17241 34.19012



photo\_3-crew\_making\_cages\_facingW.jpg  
-118.17156 34.19219

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	80 %
<b>End of Day</b>	15:15	66 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Five Labor Finders workers and two Natures Image workers performing vegetation removal using hand held tools in DG-5. Daniel- 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:**

AMRO, RTHA, NUWO, COHA, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, WEME, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, WBNU, OCWA, WTSW, TUVU, HOWR, ALHU, bobcat

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-5 using hand pulling/hand-held tools(non-mechanical) on non-natives, mostly in vegetative stage and some starting to flower (hemlock, mustard, horehound, Hordeum sp., Bromus spp.). Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions and gave guidance, pin flagging natives for avoidance. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1515.

**Additional Comments**

Signature





**Vegetation\_clearing\_during\_SW.jpg**  
-118.17651 34.19103



**Vegetation\_removal\_during\_facingN.jpg**  
-118.17671 34.19112

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	65 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Monitoring Natures Image planting crew of 10, foreman Daniel Holmes

**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, RCPA, CORA, LEGO, ANHU, SPTO, CATH, CASJ, CALT, PUFU, NUWO, MODO, AMRO, ACWO, BEWR, desert cottontail, WCSP, YRWA, California ground squirrel, NOFL, BLPH, CAKI, side-blotched lizard, western fence lizard, VGSW

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

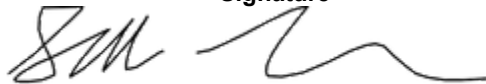
**Log Entry**

0645 I meet with planting crew on eastside. After walking a portion of the east side work area, Daniel takes me over to west side where most work will be taking place. Four workers will be working on anti-herbivore cages (eastside, DG-2) while 3 are weeding in DG-W-2 Mining Pit on west side, and 2 ferrying potted plants to stage at DG-W-2 Mining Pit in new channel. While monitoring weeding (primarily Lepidium removal with hoes in bottomland willow forest) new ANHU\_5 nest found while building. Also updated nearby ANHU\_4 nest and setting up buffer flags. These workers will need to keep to west edge near mule fat to stay at least 50 ft from ANHU\_5.  
1200 seeing CASJ place sticks in coast live oak at 34.193485°N 118.174681°W (beyond dirt road, out of direct work area) but can't see any definitive nest taking shape - will come back.  
1230 there's a female ALHU that has been frequently foraging this morning in the willow treetops with new foliage at 34.193320°N 118.174248°W near wildlife camera. Probably more likely than not that she's nesting.  
1400 still monitoring this small group of 3 pulling Lepidium/hemlock in willows. Rest of crew is applying cages to existing plantings on east side and moving pots to west side.

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_plant\_staging\_DG-W-2\_facingN.jpg  
-118.17445 34.19276



photo\_2-after\_hand-pulling\_DG-W-2\_facingS.jpg  
-118.17449 34.19311



photo\_3-after-hand-pulling\_DG-W-2\_facingNE.jpg  
-118.17449 34.19309



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	0 %
End of Day	15:15	64 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling non-native grasses in DG-5

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, NUWO, CALT, SOSP, OATI, CASJ, ACWO, SPTO, BLPH, HOFI, BEWR, MODO, CAQU, VGSW

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: performed a nesting bird survey in DG-5.  
0700: monitored vegetation clearing by hand in DG-5.  
1000: called into an office meeting while monitoring crew.  
1035: performed a nesting bird survey in DG-4 and DG-4A.  
1500: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-DG-5\_vegetation\_clearing\_before\_facingN.jpg  
-118.17669 34.19094



photo\_2-DG-5\_vegetation\_clearing\_after\_facingN.jpg  
-118.1767 34.19095



photo\_3-DG-5\_vegetation\_clearing\_before\_facingN.jpg  
-118.17665 34.19095



photo\_4-DG-5\_vegetation\_clearing\_after\_facingN.jpg  
-118.1766 34.19098

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	90 %
<b>End of Day</b>	15:00	68 °F	7-9 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image temporary crew of 7, hand-pulling (hoes, etc.) on west side (DG-4 sheetflow, DG-SF-1, DG-4 Drainage). Daniel Holmes is the designated supervisor but he is with planting crew all day.

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

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

**List of species observed while monitoring:**

AMRO, HOWR, BTPI, RCPA, SOSP, CASJ, CATH, CALT, WCSP, OATI, ANHU, LEGO, SPTO, COHA, CORA, AMCR, BEWR, MODO, DOWO, ACWO, HOFI, EUST, CAKI, side-blotched lizard, western fence lizard, BUSH

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

**Log Entry**

0645 Working on Lepidium sprouts (up to 12-15 in. tall) in DG-4 sheetflow. Also mustards and hemlock. A few Phacelia ramosissima here and there but the herbaceous layer is currently 99% nonnative. Same area all day. CASJ observed taking nest material all the way to CASJ\_7 by baseball field. No other suspected nests on the area.

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_DG-4\_sheetflow\_facingS.jpg  
-118.17607 34.19152



photo\_2-hand-pulling\_DG-4-sheetflow\_facingS.jpg  
-118.1761 34.19145



photo\_3-after\_hand-pulling\_DG-4\_sheetflow\_facingE.jpg  
-118.17618 34.19134

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	40 %
<b>End of Day</b>	14:40	68 °F	10-12 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed and mustard 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:**

ALHU, WREN, CAQU, OATI, BEWR, CASJ, NUWO, NOFL, YRWA, ANHU, CALT, RTHA, COHA, CAKI, BLPH, EUST, WEBL, VGSW, side-blotched lizard, western fence lizard, California ground squirrel

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

**Log Entry**

0645: performed a nesting bird survey in DG-W-2.

0700: cleared crew to work, monitored vegetation clearing in DG-W-2.

0930: verified 2 hummingbird nest locations near the dam which had been reported to us by the public.

0950: resumed monitoring in DG-W-2.

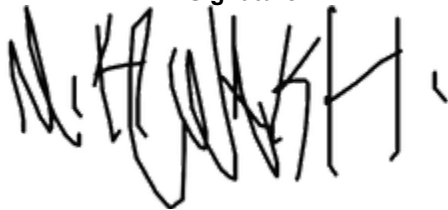
1300: spotted the driver of the excavator while they moved it from the east side to the west side.

1430: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-DG-W-2\_vegetation\_clearing\_before\_facingS.jpg  
-118.17429 34.19315



photo\_2-DG-W-2\_vegetation\_clearing\_after\_facingS.jpg  
-118.17432 34.19315





photo\_3-DG-W-2\_vegetation\_clearing\_before\_facingS.jpg  
-118.17426 34.19338



photo\_4-DG-W-2\_vegetation\_clearing\_after\_facingS.jpg  
-118.17423 34.19337

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	71 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 starting hand-pulling/hoeing in DG-5, DG-4/4A/4 Sheetflow/4 Drainage. Crew is supervised by Daniel Holmes, but Daniel is working with planting crew most of day.

**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, ACWO, LEGO, CALT, SOSP, CATH, WCSP, HOWR, RCKI, CASJ, WEBL, BEWR, SPTO, RCPA, CORA, first 2021 PSFL (visual, not singing), PUF1, COYE, MODO, WBNU, RTHA, CAQU, California ground squirrel, side-blotched lizard, western fence lizard, desert cottontail, BLPH, YRWA, COHA seen and heard calling to the south/southwest

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

**Log Entry**

0645 crew is continuing previous hand-pulling/hoeing weeds on DG-5 planted area. First hand-pulling mustards then will use weed-whacker. I pointed out native horseweed. Non-natives include Vulpes, Hordeum, Schismus, Hirschfeldia, Capsella, Erodium, etc.  
0800 move to DG-4/4A/4 Sheetflow/4 Drainage, DG-W-2 (Mining Pit Outlet) to continue removal of Conium, Lepidium from yesterday.  
0805 RTHA pair briefly fly onto nearby SCE subtransmission pole, no nest material. After 5 mins, fly back toward east side.  
0832 advising crew of difference between the two diminutive Brassicaceae annuals: native bittercress Cardamine oligosperma and non-native Shepherd's purse, Capsella bursa-pastoris. Crew continues here after lunch. I followed a m-f pair of SPTO 20-30 mins hoping to follow the female back to nest but lost her in the mule fat thicket centered at 34.191811°N 118.175649°W.  
1400 two workers leave, now four moving eastward in willow/mule fat, still in DG-4 Sheetflow.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-5\_hand-pulling\_facingNW.jpg**  
-118.17667 34.19102



**photo\_2\_hand-pulling\_DG4\_sheetflow\_facingW.jpg**  
-118.17566 34.19127



photo\_3\_DG-W-2\_mining\_pit\_outlet\_after\_hand-pulling\_facingS.jpg  
-118.1759 34.19151

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: March 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	53 °F	10-12 MPH	0 %
<b>End of Day</b>	15:00	72 °F	10-12 MPH	15 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 digging and hand pulling perennial pepperweed and mustard 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:**

CALT, NUWO, ANHU, BEWR, SOSP, ACWO, LEGO, YRWA, CASJ, KILL, VGSW, western fence lizard

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

**Log Entry**

0645: performed a nesting bird survey in DG-W-2. Cleared crew to work.

0657: monitored vegetation clearing in DG-W-2.

0730: relocated two western fence lizards from DG-W-2 to DG-4.

0830: mapped remaining areas to be planted to determine current native cover.

1130: crew began digging holes in DG-W-2.

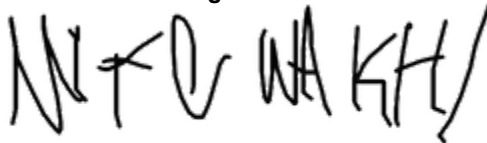
1445: found a scrub jay nest over the trail. Crew was advised to avoid, buffer did not fall into a likely work area so no flagging was put up. All relevant details added to collector under CASJ\_8.

1455: crew began wrapping up digging while I inspected the site.

**Additional Comments**

After monitoring had finished Daniel and I had to spend some time dealing with police- a mountain biker with a broken leg was reportedly on the site at an unknown location.

**Signature**





photo\_1-Before\_vegetation\_clearing\_DG-W-2\_facingS.jpg  
-118.17429 34.19313



photo\_2-After\_vegetation\_clearing\_DG-W-2\_facingS.jpg  
-118.17437 34.19314



photo\_3-Digging\_progress\_facingS.jpg  
-118.1745 34.19307

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	7-9 MPH	100 %
End of Day	15:05	57 °F	10-12 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 5 clearing perennial pepperweed, mustard, and poison hemlock in 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:**

CALT, CASJ, BEWR, CATH, SOSP, OCWA, HOFI, WEBL, BUSH, AMCR, YRWA, LEGO, HOWR, desert cottontail, ALHU

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: performed a nesting bird survey in DG-4 sheetflow.

0700: monitored vegetation clearing in DG-4 sheetflow.

1500: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature







photo\_1-vegetation\_clearing\_before\_facingS.jpg  
-118.17577 34.19127



photo\_2-vegetation\_clearing\_after\_facingS.jpg  
-118.17575 34.19128



photo\_3-vegetation\_clearing\_before\_facingS.jpg  
-118.17591 34.19117



photo\_4-vegetation\_clearing\_after\_facingS.jpg  
-118.17589 34.19116

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: March 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51 °F	0-3 MPH	90 %
<b>End of Day</b>	14:45	58 °F	4-6 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) clearing non-natives and native leaf litter before planting 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:**

MODO, ANHU, CORA, CALT, NUWO, CASJ, ACWO, RTHA, BLPH

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

**Log Entry**

0645 crew continuing site prep in DG-W-2 (Mining Pit) - clearing native leaf litter and debris, removing non-native plants (all less than 1ft high, vegetative). Species include mustards, perennial pepperweed, and curly dock.

1130 one crew continued removing and piling non-native vegetation while other crew marked and began digging holes, by hand. Monitor used sub-meter GPS to walk DG-W-2 boundary with foreman marking with pin flags.

1245 notified of irrigation break near Altadena Drain by ECORP biologists. Two crew members are building protective cages nearby and will address issue.

1430 crew stopped pulling and digging holes, spent the rest of the day hauling vegetation and fixing irrigation.

**Additional Comments**

N/A

**Signature**





**Weed removal\_DG-W-2\_facing N.jpg**  
-118.17424 34.19349



**Clearing understory and litter\_DG-W-2\_facing NE.jpg**  
-118.17441 34.19327



**After clearing DG-W-2.jpg**  
-118.17428 34.19342



**Site prep progress\_facing N.jpg**  
-118.17451 34.19327

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	100 %
<b>End of Day</b>	13:45	64 °F	7-9 MPH	25 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 3 hand pulling perennial pepperweed and poison hemlock in DG-4 on the west side of the site just south of 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:**

SPTO, CATH, HOFI, CASJ, CALT, SOSP, ACWO, NUWO, LEGO, MODO, STJA, NOFL, YRWA, CAQU, ANHU, BGGN, BUSH, CAKI, VGSW, western fence lizard, desert cottontail, side-blotched lizard

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

**Log Entry**

0645: monitored vegetation clearing in DG-4 starting just south of the DG-4 sheetflow area.

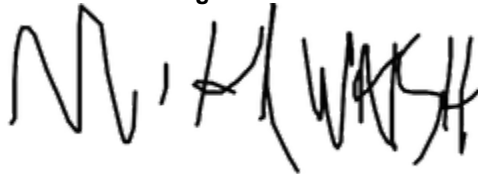
1020: surveyed the surrounding future work areas for nests.

1345: crew began wrapping up pulling to focus on cleanup.

**Additional Comments**

N/A

Signature





photo\_1-DG-4\_vegetation\_clearing\_before\_facingW.jpg  
-118.1761 34.19109



photo\_2-DG-4\_vegetation\_clearing\_after\_facingW.jpg  
-118.1761 34.19108



photo\_3-DG-4\_vegetation\_clearing\_before\_facingN.jpg  
-118.17611 34.19107



photo\_4-DG-4\_vegetation\_clearing\_after\_facingN.jpg  
-118.17612 34.19108



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: March 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	50 %
<b>End of Day</b>	14:45	66 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Eight Natures Image workers (planting crew) performing site preparation for planting potted plants by removing non-native vegetation using hand-held tools in DG-W-2 (Mining Pit). This is in preparation for digging holes for planting potted plants. Daniel- Natures Image foremen.

**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, DOWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, WTSW, TUVU, ALHU, HETH, DEJU, NOMO, CAKI

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-W-2 (Mining pit) using hand pulling/hand-held tools (non-mechanical) on non-natives, mostly in vegetative stage and some starting to flower (hemlock, pepperweed, mustard). Throughout the day, the biologist was keeping an eye on bird behavior and updated bird nests nearby where the crew was working. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1445.

**Additional Comments**

**Signature**





**Vegetation\_clearing\_during.jpg**  
-118.174 34.19355



**Vegetation\_removal\_during.jpg**  
-118.17405 34.1935

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	79 °F	4-6 MPH	10 %

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

Restoration monitoring

**Construction Activity:**

Natures Image planting crew of 7 including Daniel Holmes, foreman, hand-pulling and planting/irrigation on west side. However, 2 workers are on east side setting plant cages, 1 is with Labor Finders crew, and 2 are doing maintenance. This leaves 2 workers clearing brush and weeding in DG-W-2 Mining Pit to monitor and nest-search in vicinity.

**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, CASJ, RCPA, WCSP, SOSP, SPTO, LEGO, ACWO, BUSH, CAQU, RTHA, CORA, ALHU, NOFL, LAGO, desert cottontail, side-blotched lizard, western fence lizard, COYE, COHA, RSHA, HUVI, OATI, BLPH, CAKI

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

**Log Entry**

0645 monitoring planting crew doing cleanup of last week's piles, and some new weeding in Mining Pit. Spoke briefly with Lauren Simpson in field. Updated several of the local nests and found BUSH\_9 in DG-2-W Mining Pit. Many of the towhees etc could be on eggs but in the dense mule fat thickets where there will be no work and thus do not require destructive nest searching. Willows are getting more leaf growth but still fairly open canopied.

1415 Labor Finders crew shows up to help finish weeding and bundling with plant crew. I noticed earlier and advised Daniel that most of the elderberries in nursery pots appear quite wilted so they are watering those and everything else. Warm day. Crew done weeding at 1430.

**Additional Comments**

N/A

**Signature**





photo\_1\_DG-W-2\_mining\_pit\_after\_weeding\_facingW.jpg  
-118.17363 34.19365



photo\_2\_DG-W-2\_mining\_pit\_weeding\_facingNE.jpg  
-118.17397 34.19311

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	81 °F	7-9 MPH	0 %

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

Construction monitoring

**Construction Activity:**

Natures Image crew and Labor Finders crew of 8 removing perennial pepperweed, poison hemlock, and mustard by hand and with nonelectric tools in DG-4. Removing a eucalyptus in DG-2 with a chainsaw.

**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, CASJ, LEGO, CATH, SOSP, BGGN, MODO, ACWO, BUSH, RTHA, HOFI, western toad

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

**Log Entry**

0645: gave weep training to 2 new Labor Finders crew members.

0705: performed a nesting bird survey in DG-4.

0720: monitored vegetation clearing in DG-4.

1155: crew moved to DG-2 on the east side to remove a eucalyptus. Performed a nesting bird survey.

1210: cleared crew to the remove tree.

1400: crew began working on cleanup while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-DG-4\_before\_vegetation\_removal\_facingW.jpg  
-118.17616 34.19097



photo\_2-DG-4\_after\_vegetation\_removal\_facingW.jpg  
-118.17616 34.19099



photo\_3-tree\_removal\_before\_facingN.jpg  
-118.17269 34.18947



photo\_4-tree\_removal\_after\_facingN.jpg  
-118.17274 34.18955

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: March 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	77 °F	4-6 MPH	0 %

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

Restoration monitoring

**Construction Activity:**

Labor Finders crew of 9 hand-pulling on west side with 1 Natures Image employee (Tom) for the first hour.

**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, RCPA, SPTO, SOSP, WCSP, BEWR, CASJ, NUWO, ACWO, BUSH, LEGO, COYE, COHA, OATI, ANHU, WEBL, CATH, HOWR, NRWS, desert cottontail, eastern fox squirrel, side-blotched lizard, western fence lizard

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

**Log Entry**

0645 starting in planted area of DG-4 (34.191050°N 118.176133°W), hand-pulling/hoeing grasses, mustards, hemlock, some pepperweed.

0800 Tom (Natures Image) leaves to join planting crew.

0845 located and logged new BUSH\_9 nest, building.

1130 after lunch this area is almost done. Some inefficiencies due to a lack of tarps to bundle the weeds, rather than wait, I move crew over to DG-5 at 1315. Grasses such as Hordeum and Bromus diandrus have fully developed inflorescences and need to be pulled. Lots of Erodium, Medicago, Capsella, Lamium, Stellaria, Schismus. Native horseweed is still very short and under weed canopy but is abundant in some spots and should not be tilled. Other natives include stinging nettle, Madia elegans, Phacelia ramosissima, Phacelia elegans, California poppy. Certain clumps that were not weed-whacked have grown back and are needing to be pulled for grasses, Erodium, etc., while keeping the natives underneath.

**Additional Comments**

N/A

Signature







photo\_1-DG-4\_hand\_pulling\_facingN.jpg  
-118.17613 34.19092



photo\_2\_DG-4\_after\_hand\_pulling\_facingS.jpg  
-118.1762 34.19106



photo\_3\_hand-pulling\_DG-5\_facingE.jpg  
-118.17698 34.19097

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	4-6 MPH	100 %
<b>End of Day</b>	14:55	75 °F	7-9 MPH	0 %

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

Restoration monitoring

**Construction Activity:**

Natures Image crew of 4 clearing vegetation, fusing pipe in DG-W-2, DG-W-2 Mining Pit 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:**

CALT, NOFL, NUWO, ACWO, CAQU, BUSH, SPTO, BEWR, CATH, CASJ, HETH, DEJU, RTHA, WCSP, western fence lizard, side-blotched lizard, California ground squirrel

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

**Log Entry**

0645: monitored vegetation clearing in DG-W-2.  
0700: crew took delivery on 2 inch pipes.  
0715: resumed monitoring of vegetation clearing.  
0830: performed a nesting bird survey in the east wing of DG-W-2.  
0910: 2 crew members began fusing pipe in DG-W-2 mining pit outlet.  
1030: observed CATH gathering nesting materials in DG-W-2.  
1443: crew wrapped up pipe fusion for the day.  
1450: crew wrapped up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-vegetation\_clearing\_DG-W-2\_before\_facingE.jpg  
-118.17398 34.19303



photo\_2-vegetation\_clearing\_DG-W-2\_after\_facingE.jpg  
-118.17397 34.19297



photo\_3-crew\_fusing\_pipe\_facingS.jpg  
-118.17463 34.19244

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: March 31, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	4-6 MPH	0 %
<b>End of Day</b>	14:44	84 °F	7-9 MPH	0 %

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

Restoration monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling perennial pepperweed and poison hemlock in DG-W-2, fusing and laying irrigation in DG-W-2 mining pit 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:**

CALT, CASJ, SOSP, BEWR, CATH, EUST, NOFL, WCSP, CAQU, BLPH, HOWR, NUWO, BUSH, BGGN, common side-blotched lizard, western fence lizard

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

**Log Entry**

0645: performed a nesting bird survey in DG-W-2.

0700: monitored vegetation clearing in DG-W-2. A few crew members split off to work on pipe fusion in DG-W-2 mining pit outlet.

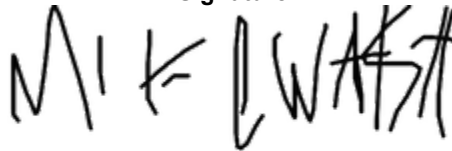
1010: began surveying future work areas near the weeding crew.

1435: crew wrapped up pulling and fusing while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_clearing\_DG-W-2\_facingE.jpg  
-118.17411 34.19271



photo\_2-after\_vegetation\_clearing\_DG-W-2\_facingE.jpg  
-118.17409 34.19271



photo\_3-newly\_laid\_irrigation\_facingS.jpg  
-118.17464 34.19233



# **Devil's Gate Reservoir Restoration Project Second Quarter Compliance Report Activities Occurring Between April 2021 and June 2021**

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**August 2021**

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- Appendix B: Weekly Least Bell's Vireo Survey and Monitoring Memos
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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 2021 (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 eleventh report (Quarterly Compliance Report Number 11) 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, 2021.

## **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 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 March 31, 2021. 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 iterations of postponement of the official start date of Project activities, a total of 9 preconstruction least Bell's vireo surveys were

conducted between March 01 and April 18, 2021. 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>	
Date	Designated Biologist
<b>First Quarter 2021</b>	
03/01/21	Christine Tischer
03/08/21	Christine Tischer
03/18/21	Christine Tischer
03/26/21	Christine Tischer
03/29/21	Lauren Simpson
<b>Second Quarter 2021</b>	
04/08/21	Shannan Shaffer
04/14/21	Christine Tischer
04/17/21	Jill Coumoutso
04/18/21	Jill Coumoutso

No least Bell's vireos were observed or detected during the preconstruction surveys during the second quarter of 2021. 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 2021 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 2021 reporting period and into the third quarter. A total of 21 focused breeding season least Bell's vireo surveys were conducted by Designated Biologists approved by CDFW and USFWS during the second quarter of 2021. 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 2021 Focused Breeding Season Least Bell's Vireo Survey Dates and Personnel.</b>	
Date	Designated Biologist
04/21/21	Jill Coumoutso
04/23/21	Jill Coumoutso

<b>Date</b>	<b>Designated Biologist</b>
04/28/21	Christine Tischer
04/30/21	Jill Coumoutso
05/04/21	Christine Tischer
05/07/21	Jill Coumoutso
05/11/21	Jill Coumoutso
05/14/21	Jill Coumoutso
05/18/21	Christine Tischer
05/21/21	Shannan Shaffer
05/25/21	Trevin Braun
05/28/21	Shannan Shaffer
06/01/21	Shannan Shaffer
06/04/21	Shannan Shaffer
06/08/21	Shannan Shaffer
06/11/21	Shannan Shaffer
06/15/21	Christine Tischer
06/18/21	Christine Tischer
06/22/21	Shannan Shaffer
06/25/21	Christine Tischer
06/29/21	Christine Tischer

No least Bell's vireos were observed or detected during the focused breeding season surveys during the second quarter of 2021. The least Bell's vireo breeding season survey reports for April, May, and June 2021 are 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 April 19, 2021. As such, construction monitoring began on April 19, 2021 and no construction monitoring or inspections took place prior to this date 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. Daily monitoring of restoration activities was ongoing during the second quarter. Table 3 shows Project working dates and the biological monitors that were present on each date.

<b>Date</b>	<b>Construction Monitors</b>	<b>Restoration Monitors</b>
04/01/21	<b>No Construction Monitoring Occurred Prior to the Construction Activities Start Date of April 19, 2021.</b>	Amy Plesetz, Michael Walsh
04/02/21		Michael Walsh
04/05/21		Scott Werner, Michael Walsh
04/06/21		Scott Werner, Michael Walsh
04/07/21		Michael Walsh, Amy Plesetz

Devil's Gate Reservoir Restoration Project  
Second Quarter 2021 Compliance Report

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

Date	Construction Monitors	Restoration Monitors
04/08/21		Amy Plesetz, Michael Walsh
04/09/21		Michael Walsh
04/12/21		Scott Werner, Michael Walsh
04/13/21		Scott Werner, Michael Walsh
04/14/21		Michael Walsh, Amy Plesetz
04/15/21		Michael Walsh, Amy Plesetz
04/16/21		Michael Walsh
04/19/21*	Lauren Simpson*, Max Murray	Amy Plesetz, Michael Walsh
04/20/21	Max Murray	Amy Plesetz, Michael Walsh
04/21/21	Max Murray	Scott Werner, Michael Walsh
04/22/21	Max Murray	Michael Walsh
04/23/21	Jill Coumoutso*, Carley Lancaster	No monitoring required
04/26/21	Lauren Simpson*, Max Murray	Scott Werner, Michael Walsh
04/27/21	Adam Schroeder, Max Murray	Amy Plesetz, Michael Walsh
04/28/21	Adam Schroeder, Max Murray	Scott Werner, Michael Walsh
04/29/21	Adam Schroeder, Alden Lovaas	Margie Pfeffer, Michael Walsh
04/30/21	Adam Schroeder, Christine Tischer*	Margie Pfeffer, Michael Walsh
05/03/21	Jill Coumoutso*	Scott Werner, Michael Walsh
05/04/21	Jessie Dubus	Scott Werner, Michael Walsh
05/05/21	Jessie Dubus	Scott Werner, Michael Walsh
05/06/21	Jill Coumoutso*	Michael Walsh, Margie Pfeffer
05/07/21	Adam Schroeder	Michael Walsh
05/10/21	Jill Coumoutso*	Michael Walsh
05/11/21	Jessie Dubus	Michael Walsh
05/12/21	Brian Zitt	Scott Werner
05/13/21	Jessie Dubus	Michael Walsh
05/14/21	Max Murray	Michael Walsh
05/17/21	Jill Coumoutso*	Margie Pfeffer
05/18/21	Max Murray	Margie Pfeffer
05/19/21	Max Murray	Scott Werner
05/20/21	Taylor Dee*	Margie Pfeffer
05/21/21	Max Murray	Margie Pfeffer
05/24/21	Adam Schroeder	Michael Walsh
05/25/21	Adam Schroeder	Michael Walsh
05/26/21	Trevin Braun*	Scott Werner
05/27/21	Trevin Braun*	Michael Walsh
05/28/21	Max Murray	Michael Walsh
05/31/21	Memorial Day	
06/01/21	Adam Schroeder	Michael Walsh
06/02/21	Adam Schroeder	Scott Werner
06/03/21	Max Murray	Michael Walsh
06/04/21	Max Murray	Michael Walsh
06/07/21	Jill Coumoutso*	Michael Walsh
06/08/21	Verity Richardson	Michael Walsh
06/09/21	Verity Richardson	Scott Werner
06/10/21	Verity Richardson	Michael Walsh
06/11/21	Verity Richardson	Michael Walsh
06/14/21	Trevin Braun*	Michael Walsh
06/15/21	Trevin Braun*	Michael Walsh
06/16/21	Trevin Braun*	Scott Werner
06/17/21	Trevin Braun*	Michael Walsh
06/18/21	Trevin Braun*	Michael Walsh
06/21/21	Max Murray	Michael Walsh

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

Date	Construction Monitors	Restoration Monitors
06/22/21	Verity Richardson	Michael Walsh
06/23/21	Verity Richardson	Scott Werner
06/24/21	Adam Schroeder	Michael Walsh
06/25/21	Adam Schroeder	Michael Walsh
06/28/21	Verity Richardson	Michael Walsh
06/29/21	Adam Schroeder	Michael Walsh
06/30/21	Verity Richardson	Scott Werner

\* = First Day of Sediment Removal Hauling Related 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 April 19, 2021 and continued through June 30, 2021.
- 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.
- Sediment removal hauling activities began on May 17, 2021.
- 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, 2021 through June 30, 2021.
- Low-growing non-native plants including tree of heaven (*Ailanthus altissima*), pigweed (*Amaranthus* sp.), stinking chamomile (*Anthemis cotul*), black mustard (*Brassica nigra*), brome grasses (*Bromus* sp.), hairy bittercress (*Cardamine hirsuta*), Italian thistle (*Carduus pycnocephalus*), tocalote (*Centaurea melitensis*), goosefoot (*Chenopodium album*), nettle leaf goosefoot (*Chenopodium murale*), poison hemlock (*Conium maculatum*), Mexican tea (*Dysphania ambrosioides*), Jerusalem oak goosefoot (*Dysphania botrys*), red-stemmed filaree (*Erodium*

*cicutarium*), Rattail sixweeks grass (*Festuca myuros*), daisy (*Glebionis* sp.), short podded mustard (*Hirschfeldia incana*), barley (*Hordeum* sp.), lesser swine cress (*Lepidium didymium*), perennial pepperweed (*Lepidium latifolium*), horehound (*Marrubium vulgare*), burclover (*Medicago* sp.), yellow sweetclover (*Melilotus indicus*), tree tobacco (*Nicotiana glauca*), castor bean (*Ricinus communis*), curly dock (*Rumex crispus*), corn spurry (*Spergula arvensis*), and wild radish (*Raphanus sativus*) were removed from the DG-W-1 (Johnson Field), DG-W-2, DG-W-2 Mining Pit, DG-W-2 Mining Pit Outlet, DG-2 New Channels, DG-2 WOUS, DG-3A, DG-3B, DG-4, DG-4A, DG-4B, DG-4C, DG-4-Sheetflow, and DG-5 onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.

- Irrigation systems were installed in DG-W-2, DG-W-2 Mining Pit, DG-W-2 Mining Pit Outlet in preparation for the installation of container plants.
- Container plants were installed in DG-W-2, DG-W-2 Mining Pit, DG-W-2 Mining Pit Outlet in accordance with the final Habitat Restoration Plan for the Project. Holes for container plants were hand-dug or dug using a mini-excavator auger attachment. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), mulefat (*Baccharis salicifolia*), Fremont's cottonwood (*Populus fremontii*), black willow (*Salix gooddingii*), red willow (*Salix laevigata*), arroyo willow (*Salix lasiolepis*), and blue elderberry (*Sambucus nigra* ssp. *caerulea*).
- Native plant seeds were broadcasted into DG-W-2 Mining Pit. Seeds were hand spread and then raked into the soil. The native seed mix broadcasted during this reporting period included the following species: common yarrow (*Achillea millefolium*), yerba mansa (*Anemopsis californica*), California mugwort (*Artemisia douglasiana*), wild tarragon (*Artemisia dracunculus*), California brome grass (*Bromus carinatus*), island false bindweed (*Calystegia macrostegia* ssp. *intermedia*), tall flatsedge (*Cyperus eragrostis*), giant wild rye (*Elymus condensatus*), beardless wild rye (*Elymus triticoides*), California poppy (*Eschscholzia californica*), California matchweed (*Gutierrezia californica*), bicolored lupine (*Lupinus bicolor*), chilicothe (*Marah macrocarpa*), caterpillar phacelia (*Phacelia cicutaria*), common phacelia (*Phacelia distans*), California bluebell (*Phacelia minor*), ladies' tobacco (*Pseudognaphalium californicum*), and stinging nettle (*Urtica dioica* ssp. *holosericea*).

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, 2021 to September 30, 2021.



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

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

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

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<b>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities that occurred during the 2021 second quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2021 second quarter reporting period. See Table 3 for details.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 pandemic, the initial 2021 worker education training was provided for project personnel to view electronically prior to the start of Project activities on April 19, 2021. 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 2021 second quarter reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/18 - 11/27/18, 3/15/19 - 4/14/19, 3/1/20 – 5/19/20, 3/17/21-3/26/21	Preconstruction surveys for sensitive species were conducted by qualified biologists on March 17, 24, 25, 26, and 29, 2021. Preconstruction least Bell's vireo surveys were completed during the second quarter of 2021. Details on detections of least Bell's vireo during surveys are provided in Sections 2.1 and 2.2 above.
<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	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, 3/1/21 – 4/16/21	Preconstruction surveys for nesting birds were completed during the second quarter of 2021. Active bird nests within 500 feet of the Project site were documented and

**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>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>							appropriate no-work buffers were established. Designated Biologists monitored Project and restoration activities daily during the nesting season during the second quarter 2021 reporting period.
<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>	<p>Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/06/2018 – 11/08/2018</p>	<p>Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2021 second quarter reporting period.</p>
<p><b>MM BIO – 6:</b> Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub.</li> <li>Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will be enhanced or restored using aerial photographs. Priority for mitigation site locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed.</li> <li>Select offsite reference sites where Riversidean Alluvial Fan Sage Scrub is the established plant</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</li> </ul>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/19/18 - ongoing</p>	<p>Restoration activities were continued during the 2021 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
<p>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).</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>		Sign- Off					
<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</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> </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</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 2021 second quarter reporting period. Restoration activities were continued

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

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
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					Initial	Date	Remarks
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>• 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>	Management Measures, if Necessary <ul style="list-style-type: none"> <li>• Prepare Monitoring Reports</li> <li>• Prepare Annual Reports</li> <li>• Achieve Mitigation Site Sign-Off</li> </ul>					during the 2021 second 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 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</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 2021 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>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 – Least Bell’s Vireo Preconstruction Survey Report

Appendix B – Monthly Least Bell’s Vireo Survey Memos

Appendix C – Construction Monitoring Logs

Appendix D – Habitat Restoration Monitoring Logs

Least Bell's Vireo Preconstruction Survey Report





May 7, 2021  
(2018-047.026)

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 1, 2021, 30 days prior to the originally scheduled start of Project activities which was planned for March 31, 2021. 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 nine preconstruction least Bell's vireo surveys were conducted between March 1 and April 18, 2021. 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
03/01/21	CT	0630	0940	45	71	0	0	0-1	3-5
03/08/21	CT	0645	1100	54	66	100	95	0-1	1-3
03/18/21	CT	0715	1100	49	74	95	95	0-1	1-3
03/25/21	CT	0715	1100	50	57	85	85	3-5	1-4
03/29/21	LS	0655	1104	46	74	0	0	0-2	0-3
04/08/21	SS	0646	1010	53	72	75	5	0-1	3-5
04/14/21	CT	0625	1100	53	64	100	90	0-1	1-4
04/17/21	JC	0710	1027	52	61	100	10	0	1-3
04/18/21	JC	0710	1021	55	77	0	0	1-3	3-5

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

No least Bell's vireos were detected or observed during the focused preconstruction surveys. Two male brown-headed cowbird (*Molothrus ater*) individuals 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 B.

## **DISCUSSION**

<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.

Nine focused preconstruction surveys conducted during the 2021 breeding season did not detect least Bell's vireo in or within 500 feet of the Project site.

During the 2020 breeding season, the first observation of the territorial male that would form the breeding pair for the 2020 season was in early May. It is possible that the breeding pair or their offspring from 2020 will return to the Project site to breed during the 2021 season. Least Bell's vireo Designated Biologists commenced twice-weekly focused surveys for least Bell's vireo after preconstruction surveys were complete. These surveys will continue through the end of the 2021 breeding season.

Prior to the 2020 season, observations of least Bell's vireo previously documented within the Project area had been irregular, and no consistent detection of the species throughout the breeding season had been documented at the site since 2013. At that time, a single male was present, but he was not paired with a female during the breeding season. Additionally, the timing of observations in the early and late periods of the breeding season during subsequent survey years coincides with the seasonal migrations of least Bell's vireos through the Project area. The lack of detection of any individuals throughout nine focused surveys implies that breeding least Bell's vireos were absent from the Project site prior to the initiation of Project activities within the sediment removal area as of April 18, 2021.

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 7, 2021

**Attachments:**

Attachment A: Survey Datasheets  
Attachment B: Wildlife Species Observed

**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Mar 1, 2021, 4:52:44 PM

Survey Date

**Mar 1, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:30**

Start Temperature

**45**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**09:40**

End Temperature

**71**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**WCSP, NUWO, MODO, LEGO, RCKI, CASJ, ANHU, ACWO, parrots, CALT, CATH, SPTO, CANG, BEWR, SOSP, C  
AQU, NOFL, COHA, HOFI, BGGN, YRWA, CORA, OCWA, BUSH, OATI, WEBL, EUST, HOWR, MALL, WTSW, ROP  
I, KILL, RSHA, RTHA, Sceloporus occidentalis, Eastern fox squirrel, coyote (t), dom horse (t), dom dog, gopher  
(burrows)**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Mar 8, 2021, 5:12:04 PM

Survey Date

**Mar 8, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:45**

Start Temperature

**54**

Start Wind Speed

**0-1**

Start Cloud Cover

**100**

End Time

**11:00**

End Temperature

**66**

End Wind Speed

**1-3**

End Cloud Cover

**95**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**MODO, CALT, OATI, DEJU, parrots, RCKI, LEGO, CASJ, CAQU, AMCR, CORA, BEWR, CATH, ANHU, NUWO, SP TO, CANG, MALL, HOFI, SOSP, WCSP, E fox squirrel, STJA (pair), YRWA, KILL, NRWS, EUST, ALHU, VGSW (1 5), NOFL, WEBL, RTHA (copulating), w fence lizard, dom horse (t,s), WEME, CEWA, RSHA, HOWR, COHA**

Additional Notes

**Talked with one person in SW corner who was photographing plants and mushrooms. Met Mike and Scott (biologists with Stillwater) who were monitoring NI crew on west side.**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: Mar 19, 2021, 5:30:41 AM

Survey Date

**Mar 18, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**07:15**

Start Temperature

**49**

Start Wind Speed

**0-1**

Start Cloud Cover

**95**

End Time

**11:00**

End Temperature

**74**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**1**

Locations

**Male heard NE of old mining pit**

Incidental Species Observed

**Parrots, SOSP, YRWA, CALT, SPTO, NUWO, WREN, ACWO, NOFL, WCSP, RCKI, HOFI, MODO, CASJ, BUSH, CA TH, LEGO, AMCR, ANHU, CAKI, COHA, BEWR, NRWS, cottontail, coyote, CAQU, VGSW, KILL. RTHA, EUST, BL PH, BGGN, RSHA, PSFL, DOWO, OATI, MALL, WTSW, CANG, CORA, WEBL, HOSP**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Mar 25, 2021, 10:10:51 PM

Survey Date

**Mar 25, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**07:15**

Start Temperature

**50**

Start Wind Speed

**3-5**

Start Cloud Cover

**85**

End Time

**11:00**

End Temperature

**57**

End Wind Speed

**1-4**

End Cloud Cover

**85**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**ANHU, RCKI, AMCR, BEWR, BUSH, CORA, ACWO, NUWO, WEBL, HOFI, LEGO, CALT, RTHA, NOFL, parrots, C ASJ, CAQU, WCSP, CATH. SPTO, CAKI, coyote (s,t), cottontail (s,o), horse (t), ALHU, MODO, COHA, EUST, YRW A, RSHA, OATI, CANG, MALL, KILL, NRWS, HOOR, COYE, ROPI, PSFL, woodrat (o), BLPH**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Mar 29, 2021, 1:12:10 PM

Survey Date

**Mar 29, 2021**

Observer Name

**Lauren Simpson**

Survey Conditions

Start Time

**06:55**

Start Temperature

**46**

Start Wind Speed

**0-2**

Start Cloud Cover

**0**

End Time

**11:04**

End Temperature

**74**

End Wind Speed

**0-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**Lego, webl, bewr, modo, nuwo, parrot sp, acwo, hofi, cora, cago, sosp, wcsp, bush, calt, caqu, wren, anhu, blp h, alhu, coye, casj, eust, weme, spto, cottontail, yrwa, ca ground squirrel, cath, rtha, oati, deju, w fence lizard, c oha, dowo, wtsw, lisp, mall, caki, side blotched lizard**

Additional Notes

**no LBV observed. 2 new nests added ANHU\_8 and LEGO\_1**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Apr 8, 2021, 11:23:20 AM

Survey Date

**Apr 8, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:46**

Start Temperature

**53**

Start Wind Speed

**0-1**

Start Cloud Cover

**75**

End Temperature

**72**

End Wind Speed

**3-5**

End Cloud Cover

**5**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ACWO, AMCR, LEGO, CASJ, CALT, CAQU, SOSP, BUSH, SPTO, AMRO, NUWO, BGGN, BEWR, MODO, ANHU, CATH, green parrot, NOMO, HOFI, WREN, CORA, PHAI, NRWS, WTSW, coyote**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: Apr 17, 2021, 6:42:28 AM

Survey Date

**Apr 14, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:25**

Start Temperature

**53**

Start Wind Speed

**0-1**

Start Cloud Cover

**100**

End Time

**11:00**

End Temperature

**64**

End Wind Speed

**1-4**

End Cloud Cover

**90**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**1**

Locations

**1 adult male flyover heard/seen in west while surveying DG-5.**

Incidental Species Observed

**CASJ, BEWR, MODO, SPTO, CALT, CATH, BUSH, COYE, CAQU, NUWO, coyote (×4), woodrat (middens), COHA, CANG, SOSP, BHGR, AMCR, parrots, WREN, STJA (1), YEWA, ANHU, CORA, ACWO, BHCO, WCSP, ATFL, NRW S, KILL, MALL (pair), BASW, HOFI, ALHU, RTHA, CA ground squirrel, BLPH, LEGO, WEBL, WIWA (v), side-blotched lizard, CA treefrog (v), Crotch bumble bee, yellow-faced bumble bee, cabbage white, desert cottontail, western fence lizard, EUST, LAGO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Apr 18, 2021, 9:14:22 AM

Survey Date

**Apr 17, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:10**

Start Temperature

**52**

Start Wind Speed

**0**

Start Cloud Cover

**100**

End Time

**10:27**

End Temperature

**61**

End Wind Speed

**1-3**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ACWO Coyote**

**BUSH Desert cottontail**

**CASJ**

**HOFI**

**CANG**

**SPTO**

**COYE**

**HOWR**

**HUVI**

**STJA**

**CAQU**

**ANHU**

**CATH**

**YWAR**

**BTGW**

**OCWA**

**AMRO**

**BLPH**

**ATFL**

**SOSP**

**YRWA**

**WCSP**

**OATI**

**COHA**

**BEWR**

**HOOR**

**CORA**

**MODO**

**PARROTS**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Apr 18, 2021, 10:23:45 AM

Survey Date

**Apr 18, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:10**

Start Temperature

**55**

Start Wind Speed

**1-3**

Start Cloud Cover

**0**

End Time

**10:21**

End Temperature

**77**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**BEWR**

**ACWO**

**NUWO**

**ANHU**

**ALHU**

**YWAR**

**HOOR**

**HOWR**

**CASJ**

**CORA**

**OCWA**

**CALT**

**SPTO**

**CAQU**

**HOFI**

**BUSH**

**BHGR**

**SOSP**

**CATH**

**COYE**

**BGGN**

**Side blotched lizard**

Log Completed?

**Yes**

**Wildlife Species Observed**

Scientific Name	Common Name
<b>INSECTS</b>	
<b>Apidae</b>	<b>Bees</b>
<i>Bombus crochii</i>	Crotch bumble bee
<i>Bombus vosnesenskii</i>	yellow-faced bumble bee
<b>Pieridae</b>	<b>Pierid Butterflies</b>
<i>Pieris rapae</i>	cabbage white
<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>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>Psaltriparus minimus</i>	bushtit
<b>Anatidae</b>	<b>Ducks, Geese, and Swans</b>
<i>Anas platyrhynchos</i>	mallard
<i>Branta canadensis</i>	Canada goose
<b>Apodidae</b>	<b>Swifts</b>
<i>Aeronautes saxatalis</i>	white-throated swift
<b>Bombycillidae</b>	<b>Waxwings</b>
<i>Bombycilla cedrorum</i>	cedar waxwing
<b>Cardinalidae</b>	<b>Cardinals</b>
<i>Pheucticus melanocephalus</i>	black-headed grosbeak
<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>Zenaida 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
<i>Cyanocitta stelleri</i>	Steller's jay
<b>Fringillidae</b>	<b>Finches</b>

<i>Haemorhous mexicanus</i>	house finch
<i>Spinus lawrencei</i>	Lawrence's goldfinch
<i>Spinus psaltria</i>	lesser goldfinch
<b>Hirundinidae</b>	<b>Swallows</b>
<i>Hirundo rustica</i>	barn swallow
<i>Petrochelidon pyrrhonota</i>	cliff swallow
<i>Stelgidopteryx serripennis</i>	northern rough-winged swallow
<i>Tachycineta thalassina</i>	violet-green swallow
<b>Icteridae</b>	<b>New World Blackbirds</b>
<i>Icterus cucullatus</i>	hooded oriole
<i>Molothrus ater</i>	brown-headed cowbird
<i>Sturnella neglecta</i>	western meadowlark
<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>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>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>Passer domesticus*</i>	house sparrow
<i>Pipilo maculatus</i>	spotted towhee
<i>Zonotrichia leucophrys</i>	white-crowned sparrow
<b>Picidae</b>	<b>Woodpeckers</b>
<i>Colaptes auratus</i>	northern flicker
<i>Dryobates pubescens</i>	downy woodpecker
<i>Picoides nuttallii</i>	Nuttall's woodpecker
<i>Melanerpes formicivorus</i>	acorn woodpecker
<b>Polioptilidae (previously Silviidae)</b>	<b>Gnatcatchers</b>
<i>Polioptila caerulea</i>	blue-gray gnatcatcher
<b>Psittacidae</b>	<b>Old World Parrots</b>
<i>Amazona sp.*</i>	parrot sp.
<b>Ptiliognatidae</b>	<b>Silky flycatchers</b>



Scientific Name	Common Name
<i>Phainopepla nitens</i>	phainopepla
<b>Regulidae</b>	<b>Kinglets</b>
<i>Regulus calendula</i>	ruby-crowned kinglet
<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 sasin</i>	Allen's hummingbird
<b>Troglodytidae</b>	<b>Wrens</b>
<i>Thryomanes bewickii</i>	Bewick's Wren
<i>Troglodytes aedon</i>	house wren
<i>Sialia mexicana</i>	western bluebird
<i>Turdus migratorius</i>	American robin
<b>Tyrannidae</b>	<b>Tyrant Flycatchers</b>
<i>Empidonax difficilis</i>	Pacific-slope flycatcher
<i>Myiarchus cinerascens</i>	ash-throated flycatcher
<i>Sayornis nigricans</i>	black phoebe
<i>Tyrannus vociferans</i>	Cassin's kingbird
<b>Vireonidae</b>	<b>Vireos</b>
<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>Cricetidae</b>	<b>New World Rats and Mice</b>
<i>Neotoma fuscipes</i>	dusky-footed woodrat
<b>Geomyidae</b>	<b>Gophers</b>
<i>Thomomys bottae</i>	Botta's pocket gopher
<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
<i>Sciurus niger</i>	eastern fox squirrel

\*Nonnative species

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

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

Monthly Least Bell's Vireo Survey Memos



June 24, 2021  
(2018-047.026/004)

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: April 2021 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 April 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were 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**

Four focused breeding season surveys for least Bell's vireo were conducted during the last two weeks of April 2021. Prior to the twice weekly focused breeding season surveys, preconstruction least Bell's vireo surveys were initiated March 1, 2021 and continued through April 18, 2021 (results presented separately in the Preconstruction Least Bell's Vireo Survey Report). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
4/20/21	JC	0710	1026	54	64	100	0	1-3	1-3
4/22/21	JC	0720	1035	54	57	100	100	1-3	1-3
4/28/21	CT	0630	1120	48	77	0	0	0-1	4-7
4/30/21	JC	0715	1005	63	82	15	10	0	1-3

CT = Christine Tischer, JC = Jill Coumoutso

No least Bell's vireos were detected during the April 2021 breeding season surveys.

Brown-headed cowbirds were not observed during the April 2021 breeding season surveys.

## **DISCUSSION**

Four focused breeding season surveys for least Bell's vireo conducted in April 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. During the 2020 breeding season, the first observation of the territorial male that would form the breeding pair for the 2020 season was in early May. It is possible that the breeding pair or their offspring from 2020

<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.

will return to the Project site to breed during the 2021 season. Twice-weekly focused breeding season surveys at the Project site will continue until the end of the breeding season (September 15).

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: June 24, 2021

**Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Apr 20, 2021, 5:42:53 PM

Survey Date

**Apr 20, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:10**

Start Temperature

**54**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**10:26**

End Temperature

**64**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**BHGR**

**ACWO**

**SPTO**

**WIWA**

**HOWR**

**BUSH**

**MODO**

**CASJ**

**COYE**

**NUWO**

**CALT**

**HOFI**

**CAQU**

**CATH**

**ANHU**

**YRWA**

**BEWR**

**PSFL**

**YWAR**

**ALHU**

**COHA**

**HOOR**

**Red-crowned parrot**

**Western fence lizard**

**Side blotched lizard**

**Desert cottontail**

**CA Ground squirrel**

Additional Notes

**Foggy on arrival on-site**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: Apr 22, 2021, 6:32:57 PM

Survey Date

**Apr 22, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:20**

Start Temperature

**54**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**10:35**

End Temperature

**57**

End Wind Speed

**1-3**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**MODO**

**HOWR**

**WEKI**

**CALT**

**NUWO**

**SPTO**

**BEWR**

**HOFI**

**RSHA**

**ACWO**

**ANHU**

**CATH**

**BLPH**

**California ground squirrel**

**Desert cottontail**

Additional Notes

**Drizzling on and off all morning**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 1, 2021, 8:25:50 AM

Survey Date

**Apr 28, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:30**

Start Temperature

**48**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**11:20**

End Temperature

**77**

End Wind Speed

**4-7**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**BEWR, BUSH, CASJ, OATI, HOOR, MODO, BHGR, WCSP, parrots, ACWO, CAQU, HOWR. SOSP, CATH, COYE, WEBL, woodrat, Sceloporus, NRWS, ANHU, YRWA, CAKI, LAGO, EUST, CLSW, Uta, SPTO, CALT, NUWO, YWA R, WAVI, CORA, LEGO, WIWA, BLPH, PSFL, BGGN, STJA, NAWA, HOFI, ATFL, AMCR, WETA, AMRO, VASW, WT SW, CHSP, COHA, WWPE, RSHA, cottontail, carpenter bee, common buckeye, CA ground squirrel, cabbage white, wandering skipper, MALL, Crotch bumble bee, fritillary**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 1, 2021, 12:54:37 PM

Survey Date

**Apr 30, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:15**

Start Temperature

**63**

Start Wind Speed

**0**

Start Cloud Cover

**15**

End Time

**10:05**

End Temperature

**82**

End Wind Speed

**1-3**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**BHGR**

**WETA**

**CALT**

**DEJU**

**SPTO**

**BEWR**

**ACWO**

**DOWO**

**MODO**

**OCWA**

**PSFL**

**CASJ**

**YWAR**

**CORA**

**SOSP**

**HOWR**

**COYE**

**ANHU**

**coyote**

**Desert cottontail**

**CA ground squirrel**

**Western fence lizard**

Log Completed?

**Yes**



June 25, 2021  
(2018-047.026/004)

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: May 2021 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 May 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were 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**

Eight focused breeding season surveys for least Bell's vireo were conducted during May 2021. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
5/4/2021	CT	0700	1100	54	79	0	0	0-1	0-1
5/7/2021	JC	0715	1000	59	61	100	100	1-3	1-3
5/11/2021	JC	0715	1003	61	63	100	100	1-3	1-3
5/14/2021	JC	0710	0955	59	61	100	100	1-3	1-3
5/18/2021	CT	0600	1115	58	70	100	70	1-3	1-3
5/21/2021	SS	0605	1045	52	64	0	15	3-5	5-7
5/25/2021	TB	0715	1047	65	81	5	10	1-3	3-5
5/28/2021	SS	0550	1055	56	66	100	0	1-3	3-5

CT = Christine Tischer, JC = Jill Coumoutso, SS = Shannan Schaefer, TB = Trevin Braun

No least Bell's vireos were detected during the May 2021 breeding season surveys.

Brown-headed cowbirds were not observed during the May 2021 breeding season surveys.

## **DISCUSSION**

Eight focused breeding season surveys for least Bell's vireo conducted in May 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. Twice-weekly focused breeding

<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.



season surveys at the Project site will continue until the end of the breeding season (September 15).

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: June 25, 2021

**Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: May 4, 2021, 1:50:33 PM

Survey Date

**May 4, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**07:00**

Start Temperature

**54**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**79**

End Wind Speed

**0-1**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**ACWO, WIWA, BHGR, BEWR, YWAR, HOWR, CALT, CA gr. squirrel, MODO, SPTO, COYE, CASJ, coyote (v), WA VI, BUSH, cottontail, mourning cloak, HOFI, PUFU, NUWO, BGGN, SOSP, AMCR, OCWA, PSFL, DEJU, LEGO, EU ST, ANHU, COHU, carpenter bee, BLGR, w. fence lizard, ATFL, NRWS, BLPH, CLSW, CORA, MALL. WTSW, DOW O, HUVI, HETH, HOOR, CAQU, Bombus californicus. side-blotched lizard, BASW, CATH, coastal whiptail, WRE N, WETA, WEKI, black rast (carcass), western tiger swallowtail**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 10, 2021, 1:43:37 PM

Survey Date

**May 7, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:15**

Start Temperature

**59**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**10:00**

End Temperature

**61**

End Wind Speed

**1-3**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**BHGR**

**CAQU**

**CORA**

**COHA**

**OCWA**

**BUSH**

**CALT**

**PSFL**

**MODO**

**LEGO**

**YWAR**

**BLPH**

**ACWO**

**SPTO**

**CASJ**

**DEJSOSP**

**BEWR**

**YRWA**

**NRWS**

**NUWO**

**Coyote**

**Desert Cottontail**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 12, 2021, 10:35:25 PM

Survey Date

**May 11, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:15**

Start Temperature

**61**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**10:03**

End Temperature

**63**

End Wind Speed

**1-3**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT**

**ANHU**

**EUCD**

**HUVI**

**BLPH**

**PSFL**

**CASJ**

**ACWO**

**SPTO**

**WEWP**

**RTHA**

**BHGR**

**BEWR**

**DEJU**

**DOWO**

**BUSH**

**NRWS**

**HOFI**

**MODO**

**CAQU**

**OATI**

**COYE**

**Red-crowned parrot**

**Desert cottontail**

**California ground squirrel**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: May 17, 2021, 7:20:19 AM

Survey Date

**May 14, 2021**

Observer Name

**Jill Coumoutso**

Survey Conditions

Start Time

**07:10**

Start Temperature

**59**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**09:55**

End Temperature

**61**

End Wind Speed

**1-3**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ACWO**

**BHGR**

**ANHU**

**BUSH**

**OATI**

**HOWR**

**SPTO**

**CORA**

**MODO**

**BEWR**

**LEGO**

**HOFI**

**CALT**

**ATFL**

**WEWP**

**PSFL**

**PUFI**

**DEJU**

**NUWO**

**CASJ**

**WEBL**

**WREN**

**BLPH**

**AMRO**

**OCWA**

**HUVI**

**CA Ground squirrel**

**Desert cottontail**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 18, 2021, 2:30:06 PM

Survey Date

**May 18, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:00**

Start Temperature

**58**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**11:15**

End Temperature

**70**

End Wind Speed

**1-3**

End Cloud Cover

**70**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**BUSH, BHGR, AMCR, SPTO, SOSP, CASJ, CAQU, MODO, ALHU, CATH, BEWR, parrots, CALT, NRWS, KILL, WA VI, BGGN, LEGO, YWAR, ANHU, CORA, WWPE, cottontail, OCWA, HOFI, COYE, PSFL, CEWA, BASW, OATI, WI WA, eastern fox squirrel, DEJU, HOWR, WETA, COHA, ATFL, NOMO, WEBL, CA ground squirrel, PHAI, CAKI, B UOR, carpenter bee, Apis spp., western fence lizard, cabbage white, WTSW, CLSW, side-blotched lizard, RTHA, WIFL**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 21, 2021, 10:48:52 AM

Survey Date

**May 21, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:05**

Start Temperature

**52**

Start Wind Speed

**3-5**

Start Cloud Cover

**0**

End Time

**10:45**

End Temperature

**64**

End Wind Speed

**5-7**

End Cloud Cover

**15**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CASJ, CORA, BUSH, CALT, LEGO, SPTO, HOOR, coyote, NUWO, CAQU, AMCR, ANHU, WTSW, SOSP, CATH, MODO, RTHA, EUST, COHA, HOFI, BGGN, BEWR, western fence lizard, CA ground squirrel**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: May 25, 2021, 4:50:32 PM

Survey Date

**May 25, 2021**

Observer Name

**Other**

Other Observer

**Trevin Braun**

Survey Conditions

Start Time

**07:15**

Start Temperature

**65**

Start Wind Speed

**1-3**

Start Cloud Cover

**5**

End Time

**10:47**

End Temperature

**81**

End Wind Speed

**3-5**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Brown-Headed Cowbird Observations

Number of Individuals

**0**

Incidental Species Observed

**House finch, song sparrow, yellow warbler, warbling vireo, California scrub Jay, mourning dove, bullocks oriole, California towhee, western kingbird, bewicks wren, acorn woodpecker, phainopepla, California quail, spotted towhee**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: May 28, 2021, 11:04:52 AM

Survey Date

**May 28, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**05:50**

Start Temperature

**56**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**10:55**

End Temperature

**66**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ACWO, CORA, CASJ, BUSH, NUWO, HOOR, coyote, CAQU, MODO, RTHA, LEGO, HOFI, WTSW, NRWS, AMRO, CA ground squirrel, ANHU, COHA, SPTO, AMCR, western fence lizard, NOFL, BGGN, western toad, BLPH, CAL T**

Log Completed?

**Yes**

August 4, 2021  
(2018-047.026/004)

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: June 2021 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 June 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were initiated and were ongoing in June 2021.

## **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**

Nine focused breeding season surveys for least Bell's vireo were conducted during June 2021. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
06/01/21	SS	0600	1100	56	69	90	5	1-3	3-5
06/04/21	SS	0554	1100	59	72	0	0	0-1	1-3
06/08/21	SS	0601	1050	59	68	100	30	0-1	3-5
06/11/21	SS	0616	1047	59	71	0	0	1-3	3-5
06/15/21	CT	0615	1015	62	90	15	100	0-1	0-1
06/18/21	CT	0605	1035	65	82	50	90	0-1	1-2
06/22/21	SS	0601	1100	61	75	0	0	1-3	1-3
06/25/21	CT	0605	1015	58	78	0	0	0-1	1-2
06/29/21	SS	0730	1046	69	82	60	90	0-1	2-4

CT = Christine Tischer, SS = Shannan Shaffer,

No least Bell's vireos were detected during the June 2021 breeding season surveys.

Brown-headed cowbirds were not observed during the June 2021 breeding season surveys.

## **DISCUSSION**

Nine focused breeding season surveys for least Bell's vireo conducted in June 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. Twice-weekly focused breeding

<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.

season surveys at the Project site will continue until the end of the breeding season (September 15).

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: August 04, 2021

**Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Jun 1, 2021, 11:17:28 AM

Survey Date

**Jun 1, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:00**

Start Temperature

**56**

Start Wind Speed

**1-3**

Start Cloud Cover

**90**

End Time

**11:00**

End Temperature

**69**

End Wind Speed

**3-5**

End Cloud Cover

**5**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CASJ, NUWO, BUSH, coyote, BLPH, MODJ, ACWO, CAQU, CALT, SPTO, AMCR, RTHA, WTSW, LEGO, ANHU, AMRO, ALHU, BGGN, western fence lizard, HOOR, CORA, EUST, MALL**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: Jun 4, 2021, 11:18:41 AM

Survey Date

**Jun 4, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**05:54**

Start Temperature

**59**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**72**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**LEGO, COHA, CALT, SPTO, ACWO, NUWO, BUSH, CAQU, CASJ, SOSP, HODI, BEWR, ANHU, common side-blotched lizard, western fence lizard alligator lizard, COYE, CORA, MODD, BLPH, desert cottontail, NRWS, WTSW**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 8, 2021, 12:07:17 PM

Survey Date

**Jun 8, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:01**

Start Temperature

**59**

Start Wind Speed

**0-1**

Start Cloud Cover

**100**

End Time

**10:50**

End Temperature

**68**

End Wind Speed

**3-5**

End Cloud Cover

**30**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**HOFI, ACWO, CALT, CASJ, BUSH, NUWO, LEGO, SPTO, EUST, MODO, ANHU, COHA, CORA, RTHA, SOSP, BLP  
H, AMCR, coyote, AMRO, desert cottontail, eastern fox squirrel, COYE, western fence lizard, common side-blot  
ched lizard, WTSW, NOMO, PHAI, BEWR, western toad, NRWS, MALL, HOOR**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 11, 2021, 10:48:04 AM

Survey Date

**Jun 11, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:16**

Start Temperature

**59**

Start Wind Speed

**1-3**

Start Cloud Cover

**0**

End Time

**10:47**

End Temperature

**71**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CASJ, CORA, BUSH, CALT, HOFI, LEGO, ANHU, TUVU, MALL, CAQU, SPTO, BEWR, AMCR, common side-blotched lizard, eastern fox squirrel, coyote, HOOR, PHAI, EUST, MODO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 15, 2021, 12:50:56 PM

Survey Date

**Jun 15, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:15**

Start Temperature

**62**

Start Wind Speed

**0-1**

Start Cloud Cover

**15**

End Time

**10:15**

End Temperature

**90**

End Wind Speed

**0-1**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**BHGR, ACWO, BEWR, SPTO, LEGO, parrots, WWPE, NUWO, CALT, SOSP, ANHU, CASJ, HOWR, MODO, BGGN, HOFI, CAQU, COYE, EUST, CAKI, CA ground squirrel, Eastern fox squirrel, cottontail, CORA, yellow-faced bumble bee, carpenter bee, NRWS, KILL, gulf fritillary, SNEG, 1 female mallard with 7 5-week old ducklings, BUSH, YWAR, WTSW, western fence lizard, side-blotched lizard, coastal whiptail, DOWO, PSFL, cabbage white, HUVI, BTPI**

Additional Notes

**Summer daycamps and cross country training at Hahamongna Watershed Park.**

Log Completed?

**Yes**



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

Submitted by: SoCal\_Bio

Submitted time: Jun 18, 2021, 6:36:16 PM

Survey Date

**Jun 18, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:05**

Start Temperature

**65**

Start Wind Speed

**0-1**

Start Cloud Cover

**50**

End Time

**10:35**

End Temperature

**82**

End Wind Speed

**1-2**

End Cloud Cover

**90**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**NUWO, CA ground squirrel, BEWR, BHGR, ACWO, MODO, COYE, YWAR, CASJ, LEGO, CALT, parrots, SPTO, C  
ORA, BUSH, RTHA, ANHU, cottontail, NRWS, CLSW, CATH. BGGN, RSHA, COHA, SOSP, WTSW, HOFI, PSFL, A  
LHU, EUST, carpenter bee, cabbage white, owl sp., western fence lizard, WEBL, CAKI, PHAI, acmon blue. side-b  
lotched lizard, HOWR, honeybees**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 22, 2021, 11:12:05 AM

Survey Date

**Jun 22, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:01**

Start Temperature

**61**

Start Wind Speed

**1-3**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**75**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**MODO, CALT, HOFI, WREN, SPTO, COYE, LEGO, CAQU, ACWO, CASJ, NOMO, BUSH, SOSP, NUWO, western fence lizard, BLPH, NRWS, ANHU, western tiger swallowtail, eastern fox squirrel, WTSW, TUVU, RTHA, MALL, KI  
LL**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 25, 2021, 11:48:38 AM

Survey Date

**Jun 25, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:05**

Start Temperature

**58**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**10:15**

End Temperature

**78**

End Wind Speed

**1-2**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**YWAR, CALT, parrots, SPTO, COYE, ACWO, MODO, AMRO, CAQU, CORA, RSHA, HOWR, BGGN, BEWR, WREN, HOFI, OATI, HUVI, PSFL, Eastern fox squirrel, BUSH, CLSW, HOOR, BHGR, NRWS, ANHU, SOSP, LEGO, cottontail, KILL, SBMU, WTSW, western toad, CATH, NOMO, ALHU, CAKI, RTHA, w. fence lizard, side-blotched lizard, NUWO, BASW, DOWO, common white, gulf fritillary, carpenter bee, coastal whiptail, coyote**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jun 29, 2021, 10:47:12 AM

Survey Date

**Jun 29, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**07:30**

Start Temperature

**69**

Start Wind Speed

**0-1**

Start Cloud Cover

**60**

End Time

**10:46**

End Temperature

**82**

End Wind Speed

**2-4**

End Cloud Cover

**90**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**ACWO, DEJU, LEGO, COYE, HOFI, CATH, ANHU, ATFL, SPTO, NRWS, BHGR, CASJ, BGGN, cottontail, western carpenter bee, BUSH, MODO, CLSW, CAQU, western fence lizard, BEWR, SOSP, CALT, NUWO, checkered white, WREN, cabbage white, YWAR, PUFU, RSHA, ECDO, OATI, HUVI, RTHA, CORA, KILL, BLPH, valley carpenter bee, painted lady, CA ground squirrel, acorn blue. NOMO, PHAI, side-blotched lizard, coastal whiptail, CAKI, gulf fritillary, PSFL, funereal duskywing, marine blue, western tiger swallowtail**

Log Completed?

**Yes**



## **APPENDIX C**

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### Construction Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	77 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) vegetation clearing
- 2) skiploader
- 3) Johnny (Griffith)

**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, SOSP, ROPI, CALT, SPTO, HOFI, COYE, RTHA, CORA, BEWR, HOWR, WTSW, CLSW, WEBL, ANHU, ALHU, LEGO, WCSP, ACWO, GREG, GRYE, KILL, Western fence lizard, Western side blotch lizard, Coyote, California ground squirrel, LESA, Bat sp., NUWO, Western toad, CAQU

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

**Log Entry**

0630 Onsite; check potential BLPH nest

0640 2 BLPH observed near tire wash, one flew into gated area.

0645 Observed one BLPH leave from the first eastern washout basin near the Griffith truck in the fenced tire wash area.

0700 Tailboard

0715 Get access to tire wash area.

0727 Nest located (BLPH\_1) added to collector, notified Lauren Simpson.

0737 Headed back to trailers.

0750 Clear northern project area for LA County drilling operations.

0815 Coordinate with Lauren

0830 Flag nests near eastern work area.

0900 Stake nests along western haul road.

0930 Coordinate with Ray from LA County. Received a sticker for hard hat.

1230 Mobilize to BLPH in tire wash to monitor exclusion.

1300 Coordinate with Johnny (Griffith) to set up exclusionary measures for BLPH at tire wash. BLPH was starting to build nest under the eastern basin. Nest appeared to be started very recently — possibly over the weekend. No eggs in nest.

1316 Crew begins installing exclusions (Pic 1, 2, and 3).

1330 End monitoring exclusion installation.

1345 Substitute for Lauren.

1445 End monitoring.

1500 Leave site.

**Additional Comments**

N/A

Signature

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

Tirewash\_before\_facingNW.jpg



Tirewash\_during\_facingNW.jpg



Tirewash\_after\_facingNE.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: April 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:06	86 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Co, installing ESA fence, clearing fenceline with 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:**

CASJ, YEWA, CAKI, CLSW, CALT, ACWO, SPTO, CORA, SOSP, BEWR, HOFI, COYE, RTHA, ALHU, WREN, EUST, NRWS, CAQU, Alligator lizard, Whiptail, Western toad, Side blotched lizard, WTSW, BUSH, LEGO, GREG, MODO

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

**Log Entry**

0645 Arrived onsite, gave WEAP training to crew, went over work plan for the day.

0730 Began monitoring clearing of ESA fenceline using skip loader. relocated one western toad and two alligator lizards offsite out of harms way. one willow tree branch was hanging over fenceline and preventing installation.

removed using chainsaw. continued monitoring of ESA fenceline clearing and minor clear and grub within basin. all areas swept before clearing, no bio issues observed.

1505 Work done for the day, biologist left site.

**Additional Comments**

N/A

**Signature**





photo\_1-skip loader clearing esa fenceline.jpg  
-118.17276 34.18913



photo\_2-esa fenceline installed.jpg  
-118.17281 34.18961



photo\_3-branch of willow hanging into work area removed with chainsaw.jpg  
-118.17242 34.1912



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	100 %
<b>End of Day</b>	15:04	73 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) vegetation clearing
- 2) one skid loader and one water truck
- 3) Miguel (operator), John (Griffith), Ray, Mark, Daniel (LA 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:**

CORA, CALT, HOFI, SOSPO, COYE, KILL, CASJ, CANG, Western toad (relocated), ACWO, NUWO, EUCD, EUST, ROPI, Amazona spp., RSHA, southern pacific rattlesnake (relocated), RTHA, COHA

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

**Log Entry**

0630 Onsite  
0645 Coordinate with Johnny (Griffith)  
0700 Tailboard with Griffith. Conduct WEAP training. Ray (LA County) coordinated with me during WEAP training, will bring down sign-in sheet and stickers.  
0720 Coordinate with Miguel (skip loader operator) for activities today.  
0725 Clear planned work area. Begin monitoring vegetation removal (Pic. 1 and 2).  
0920 Coordinate with Mark Gim (LA County) about oak tree within work limits. Removal is approved pending no other biological resources in the tree.  
0940 Mobilize to inspect oak tree in question. No other biological resources in the oak tree. Contacted Mark to confirm it is ready for removal. Notified Lauren as well.  
0959 Mobilize to vegetation removal  
1020 Mobilize to relocate rattle snake.  
1030 Juvenile Southern pacific rattlesnake relocated north of the project site near suitable habitat in arroyo secco wash.  
1100 Continue monitoring vegetation removal (Pic. 3).  
1200 Coordinate with Ray about potential grading work on western side of the basin.  
1230 Coordinate with Daniel (LA County).  
1500 End monitoring, final sweep (Pic. 4). Leave site.

**Additional Comments**

N/A

Signature

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

Vegetation\_removal\_during\_facingNE.jpg



**Vegetation\_removal\_during\_facingSW.jpg**



**Vegetation\_removal\_during\_facingN.jpg**



**Vegetation\_removal\_after\_facingNE.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	54 °F	4-6 MPH	95 %
<b>End of Day</b>	15:15	57 °F	4-6 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

- 1) Vegetation removal
- 2) Water truck, skip loader and scraper
- 3) John (Griffith) and Ray (LA County)

**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, SOSP, COYE, MODO, CORA, EUST, CALT, SPTO, ACWO, NRWS, CLSW, CAQU, COHA, CASJ, WEKI, WEBL, Amazona spp., GREG, GRBH, MALL, RTHA, WCSP, Botta's pocket gopher (relocated), LEGO, BEWR, KILL, WTSW, OATI, WREN, BUSH, BARS, WETA, AMCR, RSHA, Coyote

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

**Log Entry**

0640 Onsite  
0645 Tailboard with John (Griffith) and Ray (LA County).  
0700 Begin clearing work area before vegetation removal.  
0745 Relocate small mammal (Botta's pocket gopher).  
0800 WEAP training for Pete (Griffith scraper operator)  
0815 Clear area for scraping - access road and western basin.  
0830 Begin monitoring grading in western basin (Pic. 1 and 2).  
0830 Multiple YEWA calling along the south western edge of the work area. Point added to collector. Second marked point represents northern most YEWA calling.  
1045 Added active nest (LEGO\_5) to collector. Install signage and flagging for nesting bird buffer.  
1120 Notified John (Griffith) of nest buffer for LEGO\_5.  
1245 Remind Griffith workers (Rick and Austin) about two bird buffers (BUSH\_3 and COYE\_1) on the western haul road.  
1500 End monitoring maintenance grading in northern portion of project area. Final sweep.  
1515 Leave site.

**Additional Comments**

N/A

Signature





**Grading\_during\_facingNW.jpg**



**Grading\_during\_facingNE.JPG**  
-118.17662 34.18836

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	57 °F	7-9 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

- 1) Vegetation clearing and grading
- 2) Skiploader, backhoe and water truck
- 3) John, Austin and Jessie (Griffith), Ray and Emily (LA County).

**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:**

WEKI, SNEG, CORA, ACWO, CALT, Amazona spp., SOSPO, COYE, CANG, AMCR, Coyote, MALL, GRHE, CLSW, NRWS, SPTO, WTSW, Western fence lizard (relocated), Western toad (relocated)

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

**Log Entry**

0645 Arrive onsite; coordinate with John (Griffith).  
 0650 Mobilize to continue staking nest buffers along the western project work limits.  
 0700 Clear western basin for grading/scraping activities.  
 0710 Grading activities begin north western basin (Pic. 1).  
 0745 WEAP training (Jessie - Griffith)  
 0800 Coordinate with John about ESA fencing.  
 0815 Coordinate with Emily (compliance monitor) about bird buffers along the western haul road.  
 0830-0845 Clear work area for vegetation clearing  
 0900 Begin monitoring vegetation clearing and grading on eastern side of the project area (Pic. 2).  
 1015 Reduce COYE\_1 buffer by ~12ft this out the buffer at the western edge of the haul road. Coordinate with John and Austin (Griffith) for power pole placement.  
 1040 Return to monitoring vegetation removal on eastern side of project area.  
 1130 Westland group surveyor (Jeremy) observed outside of project work limits. Surveyor is collecting topographical data for SCE project. Informed him of bird buffers and he agreed to avoid when possible. Ray (LA County) notified; Ray collected the surveyor's information.  
 1246 Nature's Image vehicle observed parked within bird buffer (BUSH\_7). Left a voicemail with Margie (Stillwater) and contacted Daniel (Nature's Image foreman). Crew moved vehicle out of bird buffer.  
 1400 Continue monitoring vegetation removal in eastern project area (Pic. 3).  
 1500 End monitoring; final sweep.  
 1515 Leave site.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, consisting of a stylized 'M' followed by a large 'O' and another 'M'.

Gearing\_during\_facingSE.jpg





**Vegetation\_removal\_facingN.jpg**



**Vegetation\_removal\_facingNW.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: April 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	100 %
<b>End of Day</b>	13:30	63 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Vegetation clearing with Miguel 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:**

CASJ, YWAR, SOSP, HOFI, CAQU, BUSH, CALT, LEGO, YRWA, Western Fence lizard, Western Whiptail

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

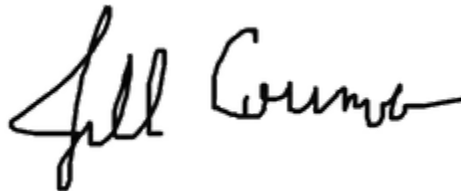
**Log Entry**

Vegetation clearing/grubbing, And road creation for water truck with Miguel on Skiploader.

**Additional Comments**

N/A

Signature





**Creating\_roads\_facingW.jpg**  
-118.17414 34.19071



**Grubbing\_facingNW.jpg**  
-118.17413 34.19067

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: April 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	100 %
<b>End of Day</b>	01:30	63 °F	0-3 MPH	90 %

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

Construction Monitoring

**Construction Activity:**

Griffith crew of one equipment operator (subcontractor) and one foreman (John) used one backhoe to clear emergent vegetation from the reservoir.

**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, CAQU, HOFI, LEGO, ANHU, CASJ, BUSH, RTHA, CORA, BEWR, ACWO, SPTO, MODO, NOMO, ROPI, CATH, Western toad, Desert cottontail

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

**Log Entry**

0645 Conducted pre-construction sweep.

0710 Monitored vegetation removal.

1330 Crew done for the day, conducted final sweep.

**Additional Comments**

N/A

**Signature**





**photo\_1-vegetation removal\_before.jpg**



**photo\_2-vegetation removal\_after.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	50 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	62 °F	4-6 MPH	40 %

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

Construction Monitoring

**Construction Activity:**

- 1) vegetation removal and grading
- 2) skip loader and backhoe
- 3) Miguel, Jessie, and John (Griffith), Daniel (LA 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:**

COHA, ACWO, HOFI, CASJ, CALT, SOS, COYE, ATFL, WIWA, CAQU, Jerusalem cricket, AMCR, ANHU, BUSH, WREN, OATI, SPTO, CATH, California ground squirrel, LEGO, WEKI, WEBL, NUWO, YRWA, MODO, PUF1, Amazona spp., BHGR, BASW, NRWS, CORA, RTHA, BEWR, HOWR, AWPE, CANG, RSHA

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

**Log Entry**

0640 onsite; coordinate with Daniel (LA County) about storage of bio materials.

0650 tailboard with Griffith Crew.

0715 nest update (CATH\_2)

0745 nest update (CATH\_3)

0810 nest update (CALT\_1)

0845 nest update (BUSH\_7)

0917 nest update (ACWO\_3)

0930 nest update (CASJ\_3)

1000 coordinate with Griffith laborers for fence placement. Communicate ESAs and work limits in the general area.

1020 coordinate with Westland Group (SCE contractor) about bird buffers along the western haul road. Both surveyors were not receptive to my communication about avoiding bird buffers. Surveyors worked within bird buffers then moved north along haul road and worked again (approximately 30 minutes). Coordinated with Lauren and Daniel (LA County) — will document surveyors work on the west haul road.

1110 one surveyor walked through bird buffer (BUSH\_3). Other surveyor walking around within riparian zone west of the western haul road. Potentially affected nests: CASJ\_2, BUSH\_4, BUSH\_3, COYE\_1, WREN\_1, YEWA\_1. One additional surveyor walked through BUSH\_3 buffer while coming walking north on the western haul road. All three surveyors will need to walk through BUSH\_3 nest buffer to exit the project site after I informed them of the presence and sensitivity of the bird nests.

1115 coordinate with Miguel to clear vegetation in northern portion of work area.

1130 begin monitoring vegetation removal on west side of the project area (Pic. 1).

1445 end monitoring; final clearance (Pic. 2).

1500 leave site

**Additional Comments**

Could not rename photos. Both are vegetation removal facing N

**Signature**

MAN



photo\_1-20210427-093604.jpg



photo\_2-20210427-093610.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: April 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	50 °F	0-3 MPH	65 %
<b>End of Day</b>	15:11	64 °F	4-6 MPH	70 %

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

Construction Monitoring

**Construction Activity:**

Griifith co, 1dozer, 1 skip, 1 blade, 1 backhoe, 1 water truck, preparing scale house and clearing/grubbing 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:**

LEGO, SPTO, WREN, BLPH, NRWS, CASJ, CORA, SOSP, YEWA, YRWA, WETA, MODO, BUSH, ANHU, OATI, ATFL, WCSP, HOFI, WIWA, KILL, ALHU, VASW, BEWR, COYE, CAVI, WTSW, WAVI, CLSW, ACWO, RSHA, RTHA, BARS, TUVU,AWPE, COHA,

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

**Log Entry**

0630 Arrived onsite, surveyed tire wash for bird activity, no activity observed.

0700 Attended tailboard discussed status of nest buffers and work plan for the day.

0705 Crew won't begin clear/grub until later in the morning so I spent time updating/searching for nests in SW corner.

1000 Began monitoring backhoe during clear/grub at west center (station18), relocated 4 side-blotched lizards out of harm's way,

1445 Clearing complete for the day, no bio issues observed.

1510 Biologist left site

**Additional Comments**

N/A

**Signature**





photo\_1-cleargrub of emergent veg.jpg  
-118.17452 34.19029



photo\_2-scalehouse prep overview.jpg  
-118.17452 34.19029



photo\_3-berm post-clearing.jpg  
-118.17333 34.18997

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	52 °F	4-6 MPH	60 %
<b>End of Day</b>	15:00	63 °F	7-9 MPH	50 %

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

Construction Monitoring

**Construction Activity:**

- 1) Vegetation removal and grading
- 2) Backhoe, skip loader, water truck, scraper, bulldozer
- 3) Daniel, Ray, Alex (LA County), Miguel, John, Jessie, Doug (Griffith)

**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, RTHA, COHA, Falco sp., Western fence lizard, BARS, WTSW, HOFI, LEGO, Amazona spp., CALT, CASJ, SPTO, NRWS, CLSW, Side blotch lizard, ANHU, COYE, SOSP

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

**Log Entry**

0645 Onsite; tailboard with John (Griffith)  
0700 WEAP training  
0745 Begin monitoring vegetation removal and heading near western project area (Pic. 1).  
0900 Coordinate with Alex (LA County)  
1000 Coordinate with John (Griffith) for vegetation clearing in western basin. Begin monitoring (Pic. 2).  
1020 Coordinate with Ray (LA County) about power pole installation crew WEAP training. Give WEAP.  
1130 Coordinate with John about WEAP. Give additional WEAP.  
1200 Clear rock pile and vegetation on east side for bulldozer to remove (Pic. 3).  
1445 End monitoring.  
1500 Leave site.

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_before\_facingNE.jpg**



**Vegetation\_removal\_during\_facingSE.JPG**  
-118.17681 34.18802



**Vegetation\_removal\_during\_facingS.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: April 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	50 %
<b>End of Day</b>	15:00	63 °F	0-3 MPH	80 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. One skip loader, one backhoe, two water trucks, one blade, one bulldozer
3. 10 personnel (Griffith, John)

**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, COYE, HOFI, SPTO, NRWS, CLSW, CORA, AMCR, WEKI, WTSW, MODO, ANHU, CASJ, CALT, CAQU, RTHA, ROPI, Common side blotched lizard, Western fence lizard, Gopher

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

**Log Entry**

0645 Attended tailboard.

0700 Conducted clearance sweep of planned work area.

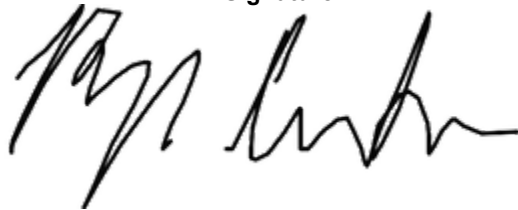
0725 Monitored backhoe clearing vegetation within the sediment removal area.

1110 Monitored backhoe and skip loader clearing vegetation and building roads further up the creek channel within the sediment removal area.

**Additional Comments**

N/A

Signature





**Backhoe\_removing\_vegetation\_during\_facingS.jpg**



**Skip\_loader\_removing\_vegetation\_during\_facingNE.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: April 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	81 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) Vegetation removal
- 2) Backhoe, skip loader and bulldozer
- 3) John (Griffith) and Eric (Power Plus)

**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, WEKI, RSHA, RTHA, TUVU, CAQU, COYE, SOSP, CASJ, BUSH, California ground squirrel, Western fence lizard, Side-blotch lizard, CANG, OATI, VASW, WTSW, TRES, CLSW, NRWS, CATH, SPTO, HOFI, LEGO, Rattus sp., Peromyscus sp.

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

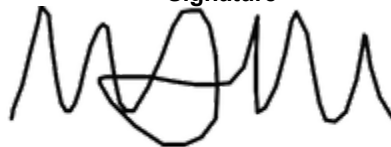
**Log Entry**

0630 Onsite  
0700 Begin clearance of work area; begin monitoring (Pic. 1 and 2).  
0745 Coordinate with John (Griffith) to monitor power line installation near bird buffer (BUSH\_3).  
0800 Coordinate with Eric (Power Plus) for power line installation near BUSH\_3 buffer. Begin monitoring.  
0820 Electrician enters bird buffer to install power lines (Pic. 3). BUSH still in nest. Other adult just visited - no signs of agitation.  
0830 End monitoring electrician after leaving bird buffer.  
0845 Begin monitoring vegetation removal.  
1450 End monitoring (Pic. 4).  
1500 Leave site

**Additional Comments**

Pic 2: Vegetation removal during facing SW. Pic 4: vegetation removal after facing NE.

**Signature**





**Vegetation\_removal\_during\_facingW.jpg**



**Vegetaion\_Removal-20210514-080446.jpg**



**Powerline\_installation\_during\_facingNW.JPG**  
-118.17707 34.1861



**Vegetation\_removal\_facing NE-20210514-080514.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: April 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	81 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. One skip loader, one backhoe, two water trucks, one blade, one bulldozer
3. 10 personnel (Griffith, John). (Power plus, 1 electrician)

**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:**

RLPA, MALL, ATFL, CASJ, CLSW, NRWS, PHAI, CORA, BHGR, KILL, WTSW, EUST, RSHA, CAQU, CALT, WEKI, ANHU, ALHU, MODO, SPTO, ACWO, LEGO, BUSH, COYE, RTHA, YEWA, Common side blotched lizard, Western toad, Western fence lizard

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

**Log Entry**

0645 Attended tailboard.

0700 Conducted clearance sweep of planned work area.

0720 Monitored vegetation removal along the west side of the sediment removal area. Relocated 8 Common side blotched lizard and 2 Western fence lizards.

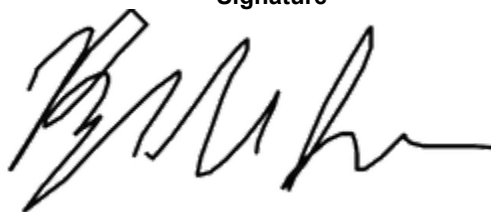
1155 Monitored electrical wire installation along western access road within the BUSH-3 buffer. The electrical line was accessed via manlift while the manlift truck was parked just outside the BUSH-3 buffer.

1245 Monitored road grading with skip loader and bulldozer.

**Additional Comments**

N/A

**Signature**





Backhoe\_clearing\_vegetation\_facingN.jpg



Skip\_loader\_clearing\_vegetation\_facingNE.jpg



Electrical\_work\_near\_BUSH-3\_facingW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: April 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	91 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. One skip loader, one backhoe, two water trucks, one blade, one bulldozer
3. 10 personnel (Griffith, John).

**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, RLPA, ANHU, COYE, SOSP, CORA, BHGR, RSHA, ACWO, RTHA, ANHU, CAQU, ATFL, CALT, CORA, CAKI, NRWS, CLSW, Common side blotched lizard, Western toad, Coastal whiptail, Western fence lizard

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

**Log Entry**

0645 attended tailboard.

0700 conducted clearance sweep of planned work area.

0720 monitored vegetation removal at northern end of sediment removal area. Relocated 1 Western fence lizard, 1 Western toad, and 1 Coastal whiptail.

0937 monitored bulldozer clearing vegetation along west edge of sediment removal area.

**Additional Comments**

N/A

Signature





**Bulldozer\_clearing\_vegetation\_and\_grading\_facingSW.jpg**



**Backhoe\_clearing\_vegetation\_facingNW.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Alden Lovaas**  
**Date of Log: April 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	91 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. One front loader and one skiploader
3. Front loader operator: Jesse, Skiploader operator: Miguel, Griffin construction: Jonny

**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, CORA, CLSW, SOSPO, HOFI, CASJ, RSHA, CALT, COYE, AMCR, Whiptail, BUSH, ACWO, CATH, Botta's pocket gopher, RTHA, Striped racer

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

**Log Entry**

0630 Arrived on site

0645 Attended tailboard meeting, crew will continue with vegetation removal on banks at N end of the project site.

0708 Cleared area where vegetation removal will begin on E side of the wash.

0710 Operator (Jesse) is beginning to remove vegetation using front loader.

0730 Observed RTHA bringing nesting material to eucalyptus tree. Marked point in collector as RSHA-1 and notified Lauren. She determined 250 ft buffer be put up around nest.

0800 Crew removing vegetation at northern part of the project site.

0930 Operator Jesse heading to southern side of the project site to clear vegetation along eastern access road. This area is located on the boundary of a restoration area.

1030 Observed irrigation line pulled out of restoration area, stopped Jesse working and called Lauren. Irrigation line appears to have been in the project boundary, all work occurred within the project boundary. Lauren said to proceed with caution for the remaining section.

1100 Operator heading back up to the northern portion of the project site to work near the skip loader.

1300 Front loader operator removing vegetation and skip loader moving removed vegetation into one pile.

1445 Crew done for the day, heading back to staging area.

1500 Left site.

**Additional Comments**

N/A

**Signature**





04-29-21\_front\_loader\_clearing\_vegetation.jpg



04-29-21\_location\_of\_RSHA\_nest.JPG  
-118.17118 34.19321



04-29-21\_front\_loader\_removing\_vegetation\_near\_restoration\_area.jpg



04-29-21\_broken\_irrigation\_line.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: April 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading 2. One skip loader, one backhoe, two water trucks, one blade. 3. 7 personnel (Griffith, John).

**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, RTHA, CAKI, BHGB, CASJ, CAQU, ACWO, CORA, MODO, WEBL, HOFI, ATFL, LEGO, CALT, KILL, RLPA, COYE, EUST, RSHA, AMCR, SOSP, Desert cottontail, common side-blotched lizard, western toad, western fence lizard, deer mouse

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

**Log Entry**

0645 attended tailboard. 0700 gave WEAP training to new skip loader operator. 0715 conducted clearance sweep of planned work area. 0725 checked status of RSHA-1 nest. No activity or new material observed. 0740 monitored skip loader moving cleared vegetation piles. 0930 monitored backhoe clearing vegetation near the northern boundary of the sediment removal area. Relocated 1 western fence lizard, 3 common side-blotched lizards, 1 deer mouse, and 1 western toad

**Additional Comments**

N/A

Signature





**Skip\_loader\_removing\_vegetation\_piles\_facingN.jpg**



**Backhoe\_clearing\_vegetation\_facingW.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: April 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	62 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

6 Griffith, 2 operators (John -skip loader, Jessie – 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:**

CAQU, CALT, CASJ, RTHA, BHGR, CAKI, BUSH, ACWO, BEWR, HOWR, ALHU, Parrots, California ground squirrel, Sceloporus occ, Uta stansburiana, Western toad, SOSP, ATFL, WREN, NOMO, CATH, CORA, LEGO, HOFI, MALL, NRWS, WEKI, KILL, HOOR, WEBL, EUST

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

**Log Entry**

0645 Attended tailboard at east staging area.

0700 Adam Schroeder provided WEAP training to 1 new personnel, while I headed to northern portion of basin.

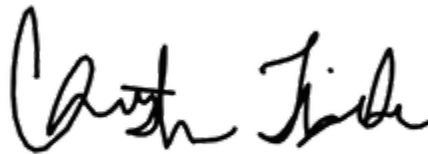
Conducted preclearance sweep of area, no nests or special-status species.

0715 to 1100: 1 backhoe (Jessie) sifting and stockpiling remaining vegetation. 1 skip loader (John) sifting and transporting vegetation to larger stockpiles in center west of Johnson Field. 1 water truck watering down perimeter roads throughout. 1 grader grading western road in late morning. 1 vibratory roller compacting NW haul road and staying below BUSH-3 buffer. KILL-1 and KILL-2 discovered and buffer flagged in basin. Total of 5 Sceloporus, 6 Uta stansburiana and 1 Western road safely relocated outside work area.

**Additional Comments**

N/A

**Signature**





photo\_1-20210430-182438looking southeast toward Johnson Field.jpg  
-118.17126 34.19417



photo\_3-20210430-182150looking north at backhoe and skiploder.jpg  
-118.17125 34.19417



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	77 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Grubbing, vegetation pile removal with Miguel in 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:**

YWAR, CASJ, WEKI, ANHU, BHGR, CALT, SOSPO, BARS, Red-crowned parrot, California toad, Western fence lizard

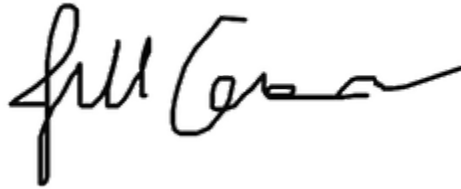
**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitor vegetation clearing and grubbing, Checked rock piles before removal, Gave environmental compliance training to new crew member.

**Additional Comments**

**Signature**





**Vegetation pile removal\_faceE.jpg**  
-118.17139 34.19347



**Consolidate vegetation piles\_facingSW.jpg**  
-118.17137 34.19405

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	78 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

10 crew members from Griffith. Vegetation clearing, earthwork, running of water trucks. 3 water trucks, skip loader, excavator, scraper.

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

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

**List of species observed while monitoring:**

KILL, MODO, BUSH, AMCR, BLPH, SOSP, MALL, EUST, ACWO, MOCK, CASJ, RSHA, ANHU, COYE, WREN, SNEG, CATO, LEGO, HOFI

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

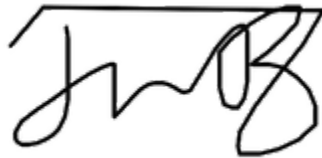
**Log Entry**

0645 Tailboard meeting, WEAP trained 1 crew member. 0715 Checked KILL-1 and KILL-2. Observed 2 KILL pairs in vicinity. KILL-1: 4 eggs present. KILL-2: Unable to locate, chicks may have fledged but likely still in area. KILL activity high in south end of wash. Continue to check area for new nests. 0830 Monitored veg clearing near north end of wash. Veg cleared consisted of small amounts of nonnative regrowth. 1130 Veg clearing paused because equipment needed to move debris. 1200 Observed BUSH-3. Active. 1 adult observed exiting nest, returning to feed chicks ~10 mins later. Observed area of COYE-1 and WREN-1. High amount of bird activity in area but no specific nest location found. 1315 Returned to observe KILL 1&2. Adults observed in vicinity of KILL 1, no activity observed in immediate vicinity of KILL2. 1345 Monitored earthwork, improved ESA signage around CAQU-1. 1400 Monitored minor veg clearing. 1500 Left site.

**Additional Comments**

N/A

**Signature**





**Veg\_clearing\_050421\_JNB.jpg**



**Earthwork\_050421\_JNB.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:20	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:55	86 °F	4-6 MPH	89 %

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

Construction Monitoring

**Construction Activity:**

Earthwork in previously cleared areas, disposing of debris piles into trash bins, minor vegetation clearing, running of water trucks

**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, BLPH, CALT, SOSP, CASJ, CORA, COYE, LEGO, WREN, BUSH, RSHA, NRWS, MALL, KILL

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

**Log Entry**

0645 Tailgate meeting

0700 Monitored minor vegetation removal in central portion of site and northern end of site.

0915 Relocated a western toad near dumpsters at north end of site

1130 Over time, relocated a total of 5 western toads in same area

1200 Checked BUSH-3, COYE-1, WREN-1. BUSH-3: minor movement from nest. Adult feeding chicks, returned with more food after ~6 minutes. High amount of activity observed around area of COYE/WREN.

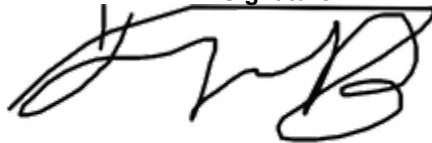
1245 Returned to monitor minor vegetation removal/pile consolidation near dumpsters, three additional toads relocated.

1400 Placed additional stakes around CAQU-1 and monitored vegetation removal and earthwork in vicinity. Unable to confirm status of CAQU-1, but no CAQU observed in area. Have tomorrow's biologist revisit in early morning to confirm status. May have fledged.

**Additional Comments**

N/A

Signature





**Vegetation\_cleared\_example\_JNB050521.jpg**



**Vegetation\_cleared\_north\_end\_JNB050521.jpg**



**Vegetation\_clearing\_and\_debris\_piles\_JNB050521.jpg**



**Earthwork\_JNB050521.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	70 %
<b>End of Day</b>	15:10	79 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Grubbing with Miguel 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:**

CASJ, BHGR, BUSH, BARS, SPTO, CALT, BEWR, HOFI, ATFL, KILL, ANHU, HOFI, CORA, OCWA, California toad, Western Whiptail, Western fence lizard, Side blotched lizard, California ground squirrel

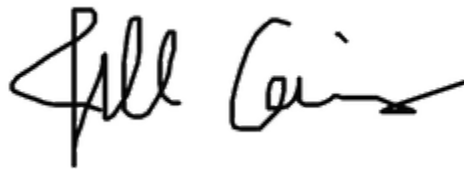
Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Checked nests on arrival, both Killdeer nests and Quail nest are finished. BUSH-03 nest still active. Spent rest of the monitoring clearing/grubbing with Miguel on skid loader in area where Quail nest was.

**Additional Comments**

**Signature**







**Grubbing\_faceSE.jpg**  
-118.17394 34.19049



**Grubbing\_faceW.jpg**  
-118.17395 34.19022

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: May 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	14:50	73 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. One skip loader, one bulldozer, three water trucks, one blade.
3. 10 personnel (Griffith, John).

**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, LEGO, COYE, ACWO, EUST, HOFI, WEKI, RLPA, CASJ, BARS, NRWS, CALT, CLSW, RSHA, KILL, NUWO, SPTO, BEWR, YEWA, MALL, SOSPO, BHGB, California ground squirrel, Western fence lizard

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

**Log Entry**

0725 Monitored skip loader crushing old fluid containers to be hauled off site.  
0750 Monitored skip loader and front loader separating and loading out large boulders.  
0802 Monitored trucks loading vegetation bins onto trucks to haul off site.  
0840 Conducted clearance sweep of vegetated area just east of the scale house.  
0915 Monitored bulldozer pulling back slope and clearing vegetation just east of the scale house.  
1005 Updated BUSH\_3 nest.  
1216 Updated YWAR\_1 nest.  
1320 Monitored skip loader removing vegetation in the sediment removal area.

**Additional Comments**

N/A

**Signature**





**Skip\_and\_front\_loader\_removing\_boulders\_facingSE.jpg**



**Trucks\_hauling\_dumpsters\_facingNE.jpg**



**Bulldozer\_removing\_vegetation\_facingN.jpg**



**Skip\_loader\_removing\_vegetation\_facingSW.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	100 %
<b>End of Day</b>	15:08	79 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Grubbing/vegetation clearing with miguel 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:**

CORA, SAPH, BUSH, YWAR, HOFI, SPTO, WEKI, CORA, CASJ, ANHU, COYE, SOSP, SAPH, MALL, AMCO, BARS

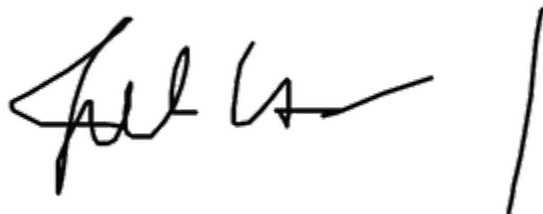
Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Checked on bush 03 nest first thing, nest has fledged. Informed Johnny and they will remove barriers. Clearing and grubbing with miguel on skiploader rest of day in area where Killdeer were nesting. Cleared area before Grubbing started. No new nests found. Watched hillside in south east corner for potential clearing. COYE and SOSP activity ++

**Additional Comments**

Signature





**Grubbing\_faceSW.jpg**  
-118.17523 34.18823



**Veg\_clearing\_faceW.jpg**  
-118.17503 34.18795

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:59	57 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	76 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

~10 staff from Griffith. Vegetation clearing, grading of previously cleared areas, work on western access road.  
Equipment: 3 water trucks, bulldozer, skip loader, scraper.

**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, CATO, WESJ, BLPH, COYE, SOSP, LEGO, KILL, CORA, WREN

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

**Log Entry**

0700 Morning briefing

0730 Did survey of area for vegetation clearing West of West access road. Suspicious COYE & SOSP behavior, staked out 75 ft buffer around tall re-growth veg (COYE-2). Monitored veg removal in surrounding area.

0945 Vegetation removal paused in this area.

1000 Work on western access road (prepping for hauling).

1130 Observed earthwork on north end of site (previously disturbed area).

1145 Surveyed central area north of dam. Several KILL pairs present, mostly in area immediately surrounding standing water. KILL mating observed on southwest berm of pond. Broken wing display observed on northwest corner of pond, however no nest found. Disallowed work in direct vicinity of pond as a precaution. Vegetation clearing commenced north of pond. High COYE activity in southeast berm off of main access road, suspected nest marked in this area.

1500 Left site.

**Additional Comments**

N/A

**Signature**





Veg\_clearing\_w\_of\_w\_access\_rd\_051121JNB.jpg



Earthwork\_north\_end\_051121JNB.jpg





Veg\_cleared\_near\_dam\_051121JNB.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Brian Zitt**  
**Date of Log: May 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:32	55 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	81 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation clearing and grading on the southeast slope. Griffith Construction personnel used a blade and a 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:**

Mourning Dove, House finch, Western Scrub Jay, Acorn woodpecker, European sterling, Green parrot, American crow, Mallard, Killdeer, Cliff swallow, California towhee, Songsparrow, Western toad, Common yellowthroat, Coastal whiptail, California ground squirrel, Lesser goldfinch, Cottontail, Western fence lizard, Baja California treefrog,

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

**Log Entry**

0645 Tailboard

0700 Inspected ponded area

0730 Inspected upper road to ponded area along southeastern area. Swept the area for nests and captured and removed common amphibian species prior to and during vegetation clearing and re contouring using a blade along the southeast slope. Moved 53 toads (4 adults) 3 treefrogs out of the work area.

1452 Work activities ended.

**Additional Comments**

Signature



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:58	55 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	73 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

8 crew from Griffith. 2 water trucks, scraper, skip loader. Work on west access road, earthwork in previously graded 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:**

AMCR, SOSP, COYE, CASJ, Cottontail, BLPH, NOMO, CALT, LEGO, CLSW, KILL, RSHA, BUSH, EUST

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

**Log Entry**

0700 Field briefing. Main focus of work today is prepping west access road and grading of previously cleared areas.

0730 Observed COYE-2. High COYE and SOSP in thick vegetation, no specific nest observed.

0815 Ongoing work includes earthwork in previously-graded central portions of project area.

0830 Checked on potential KILL nests in ponded area. Witnessed 2 separate broken wing displays, marked in Collector.

1000 Monitored disposal of vegetation piles at southeast corner.

1045 Surveyed and monitored minor vegetation clearing off of main access road.

1200 Monitored earthwork occurring at central portion of site

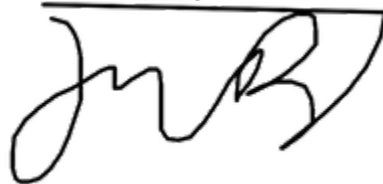
1330 Surveyed and monitored a small strip of vegetation removal.

1500 Bio left site. No additional nests and no environmental issues observed.

**Additional Comments**

N/A

**Signature**





**Grading\_near\_West\_access\_road\_051321JNB.jpg**



**Grading\_central\_project\_area\_051321JNB.jpg**



Vegetation\_clearing\_mainaccessroad\_JNB051321.jpg  
-118.17333 34.18672



Central\_vegetation\_removal\_051321\_JNB.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: May 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	57 °F	0-3 MPH	100 %
<b>End of Day</b>	14:51	75 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) Grading
- 2) Bulldozer and skid loader
- 3) John (Griffith)

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

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

**List of species observed while monitoring:**

CLSW, NRWS, CORA, ACWO, HOFI, KILL, SOSP, COYE, BLGR, LEGO, EUST, Amazona sp., BLPH, WTSW, AMCR, BARS, CALT, CASJ, CATH, BEWR, HOWR, Western toad, Desert cottontail, California ground squirrel, ANHU, ALHU, WEKI, Western side-blotch lizard, Western fence lizard, TUVU

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

**Log Entry**

0640 Arrive onsite; tailboard with John (Griffith)

0700 Begin monitoring grading activities (Pic. 1).

0900 Record nests (CLSW\_3, CLSW\_4, CLSW\_5, CLSW\_6, CLSW\_7, CLSW\_8, CLSW\_9, CLSW\_10)

1430 End monitoring

1450 Leave site

**Additional Comments**

N/A

**Signature**





**Grading\_during\_facingSouthEast.jpg**



**Grading\_during\_facingSouth.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:55	57 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	64 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

No vegetation clearing today. Excavation started.

**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, RTHA, CORA, YWAR, BUSH, WAVI, CALT, SPTO, SOSP, ANHU,, LEGO CASJ, COYE, HOF, I CANG, Red-Crowned parrot, California ground Squirrel

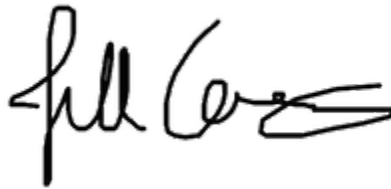
**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Nest checks- updated in Survey123, Searched for new nests.

**Additional Comments**

**Signature**







**Dump trucks\_ready for digging\_faceWest.jpg**  
-118.17361 34.18693



**Excavating\_faceNorth.jpg**  
-118.17393 34.18889



Excavation\_FaceWest.jpg  
-118.17268 34.18993

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: May 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	75 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) excavation
- 2) Excavator, scraper, bulldozer, water trucks, haul trucks
- 3) John (Griffith)

**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, CALT, SOSP, BUSH, LEGO, Amazona spp., Coyote, HOFI, KILL, CLSW, ANHU, NRWS, MODO, WTSW, CORA, NUWO, ROPI, BLPH, COYE, CAQU, CASJ, WREN, SPTO, MALL, Gambusia sp., California ground squirrel, Western side-blotch lizard, SPSA, ALHU, Western toad (relocated), BARS, WEKI, Western fence lizard

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

**Log Entry**

0645 Onsite  
0700 Begin monitoring excavation activities (Pic.1).  
0800 Observed adult CORA feeding fledgeling. Fledgeling able to fly.  
0825 Record nest (CLSW\_11).  
1130 Coordinate with John (Griffith) about bird status on the western haul road. Still a lot of active nests.  
1445 End monitoring  
1500 Leave site.

**Additional Comments**

N/A

**Signature**





Excavation\_during\_facingSouthWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: May 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	54 °F	0-3 MPH	100 %
<b>End of Day</b>	17:10	72 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) excavation
- 2) Excavator, bulldozer, scraper, water trucks, haul trucks
- 3) John (Griffith)

**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, Amazona spp., CASJ, BLPH, COYE, HOFI, SOSP, NRWS, CLSW, WEWP, CALT, WTSW, LEGO, BHGR, BLPH, ANHU, California Ground Squirrel, MODO, AMCR, ROPI, TUVU, WIWA, HOOR, WEKI, RTHA, CAQU, SPTO, Buteo sp., BUSH, WREN, OATI

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

**Log Entry**

0640 Onsite

0700 Begin monitoring excavation activities (Pic. 1).

0820 Observed YEWA foraging in vegetation west of western haul road. Then returned to YEWA\_02. Believed to be carrying food. Species point added to field maps.

0845 Updated nest (BHGR\_1).

1500 End monitoring

1510 Leave site.

**Additional Comments**

N/A

**Signature**





Excavation\_during\_facingNorthWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Taylor Dee**  
**Date of Log: May 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:25	752 °F	0-3 MPH	90 %

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

Construction Monitoring

**Construction Activity:**

Griffith conducting sediment removal activities. Equipment includes 2 excavators, 1 dozer, 1 backhoe, 1 blade, and 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:**

CASJ, COYE, Parrot sp., SPTO, KILL, LEGO, HOFI, MALL, NRWS, SOSPO, SPSA, BLPH, California Ground Squirrel, BARS, MODO, CALT, NUWO, ANHU, BHGR, HETH, CORA, EUST

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

**Log Entry**

0615 Arrived onsite at construction trailers.

0643 Met crew at staging area for construction tailboard. No tailboard was held.

0700 Haul trucks began arriving. Spoke to Daniel (LACDPW) about surveying areas along both drainages at southern end in preparation for surface water diversion work.

0715 Spoke to Joe and Johnny about the plan for the day: loading and hauling sediment. Observed excavator loading haul trucks.

0726 Began surveying southern portion of sediment removal area for special-status resources. Blade and backhoe cleaning up access roads and staging areas.

0915 Topdeck crew of 2 arrived and asked about any biological issues where they needed to install a camera along powering and Western haul road. I walked the area with them and confirmed the location was outside buffers of nesting birds. Two excavators loading haul trucks.

1026-1213 Observed and updated the status of multiple nests along project before returning to surveying southern portion of dam.

1253 Spoke to Daniel about survey progress and he clarified specifically where they wanted to work for the upcoming surface diversion.

1300 Observed two excavators continuing to load haul trucks. Continued surveying southern portion of sediment removal area for sensitive biological resources.

1458 Sediment removal is done for the day. Crews demobilizing and staging equipment

1515 Spoke to Daniel about status of resources.

1525 Left site.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, consisting of several overlapping, sweeping strokes that form an abstract, illegible shape.

Camera and solar installation along western haul road and powerline.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: May 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:20	47 °F	0-3 MPH	0 %
<b>End of Day</b>	17:00	72 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1) excavation 2) Excavator, bulldozer, scraper, water truck, haul trucks 3) John (Griffith), Daniel (LA County)

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

Two-striped garter snake

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

**List of species observed while monitoring:**

CORA, KILL, MALL, SPSA, CLSW, NRWS, BARS, HOFI, BLPH, LEGO, CA ground squirrel, Gambusia sp., CANG, SPTO, CALT, BUSH, RTHA, WEKI, RSHA, WEWP, ANHU, ALHU, EUST, ROPI, western fence lizard, western side-blotch lizard

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


**Log Entry**

0620 onsite 0630 seine pool in the middle of the basin with Brian Zitt. No native fishes observed. 0645 coordinate with John (Griffith) about construction activities. 0800 coordinate with Daniel about pumping water. 0900 record nest (MALL\_1). 0920 continue monitoring excavation. 1215 Two-striped garter snake observed near the Altadena drain. Point recorded to field maps. 1445 end monitoring. 1500 leave site.

**Additional Comments**

N/A

**Signature**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: May 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:07	91 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling
2. Two excavators, one blade, one bulldozer, one skip loader, two water trucks, bottom dump trucks.
3. 15 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, CORA, NRWS, BLPH, KILL, MALL, SOSP, SPSA, RLPA, HOFI, ALHU, BARS, CLSW, Western toad, Desert Cottontail Tail, California Ground Squirrel

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

**Log Entry**

0630 Arrived on site.

0700 Monitored sediment removal activities.

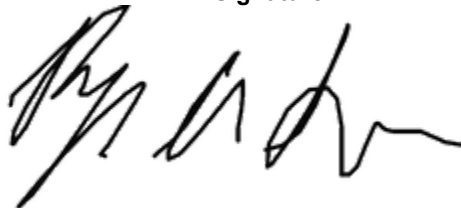
0720 Surveyed Altadena drainage and checked on MALL usage of ponded water at the base of the dam.

1250 Identified one new killdeer nest (KILL\_3). The crew was notified and a 100ft buffer was set up around the nest.

**Additional Comments**

N/A

**Signature**





Loading\_sediment\_into\_haul\_truck\_facingNorthWest.jpg  
-118.17298 34.18935

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: May 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	5 %
End of Day	15:00	86 °F	4-6 MPH	40 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling, potholing.
2. Two excavators, one blade, one bulldozer, one skip loader, two water trucks, bottom dump trucks.
3. 15 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, RLP, KILL, COYE, SOSP, CALT, SPSA, NRWS, MALL, BASW, BLPH, MODO, CLSW, RTHA, YWAR, WTSW, California ground squirrel, Desert cottontail, Coyote Coastal whiptail, Western fence lizard

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

**Log Entry**

0630 Arrived on site.

0645 Checked on status of KILL\_3 nest. Still incubating.

0700 Monitored sediment removal activities.

0830 Surveyed Altadena drainage and checked on MALL/KILL usage of ponded water at the base of the dam. Heard multiple YWAR calling outside of the project area.

1115 Checked on status of KILL\_3 nest. Still incubating.

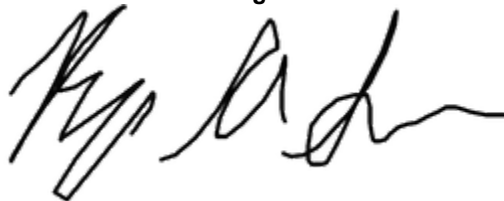
1135 Monitored Potholing along the eastern edge of the sediment removal area closest to the dam.

1150 Monitored potholing just north of ponded area.

**Additional Comments**

N/A

**Signature**





05-25-2021\_Sediment\_removal\_facingNorthWest.jpg



05-25-2021\_Potholing\_facingWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: May 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:47	59 °F	0-3 MPH	90 %
<b>End of Day</b>	15:00	81 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, grading
2. Loading trucks, excavators and dozers
3. Daniel (LA county construction manager), Alex (public works), John (Griffith 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:**

SOSP, KILL, CORA, RTHA, SPTO, LEGO, HOFI, CASJ, MODO, COHA, CLSW

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

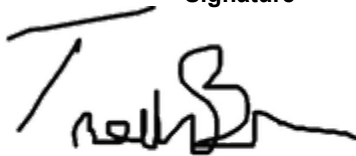
**Log Entry**

0645 Arrived on site  
0700 Observed KILL\_3 sitting on nest  
0730 Monitored sediment removal activities  
0830 Monitored MALL and surveyed Altadena drainage  
0945 Monitored grading activities South West of Altadena drainage.  
1100 Took photos of KILL\_3 buffer, and observed the adult incubating  
1130 Monitored grading activists  
1400 Monitored sediment removal

**Additional Comments**

N/A

**Signature**





**Sediment\_removal\_facingWest.jpg**  
-118.17277 34.19024



**Grading\_topsoil\_before\_facingSouthWest.jpg**  
-118.17414 34.18636



**Grading\_topsoil\_after\_facingSouthWest.jpg**  
-118.17414 34.18644



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: May 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:48	59 °F	0-3 MPH	85 %
<b>End of Day</b>	15:00	75 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal
2. Loading trucks, excavators, bulldozers
3. Daniel (County Construction manager), John (Griffith foreman), Joe (Griffith superintendent)

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

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

**List of species observed while monitoring:**

KILL, CORA, BUSH, SPSA, BLPH, MALL, CASJ, Western Toad, CLSW

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

**Log Entry**

0700 Monitored sediment removal

0730 Observed KILL\_3 incubating

0950 Gave WEAP training to Jon Halili of SGV Mosquito and vector control

1030 Surveyed Altadena drainage and monitored MALL usage of the pond

1130 Observed KILL\_3 incubating

1330 Monitored sediment removal

**Additional Comments**

N/A

**Signature**





photo\_Monitoring\_sediement\_removal.jpg  
-118.17275 34.19005

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: May 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	61 °F	0-3 MPH	100 %
<b>End of Day</b>	15:10	79 °F	7-9 MPH	30 %

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

Construction Monitoring

**Construction Activity:**

- 1) excavation
- 2) Two excavators, one bulldozer, one scraper, haul trucks, and water trucks
- 3) John (Griffith)

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

Two-striped garter snake

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

**List of species observed while monitoring:**

HOFI, COHA, RTHA, CORA, AMCR, Amazona spp., LEGO, SPSA, KILL, MALL, SOSPO, COYE, CALT, BHGR, WEKI, BLPH, WEWP, SAPH, ANHU, WESA, Western Toad, CLSW, NRWS, BARS, WTSW

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

**Log Entry**

0630 Onsite; coordinate with Verity (ECORP)  
0645 Coordinate with John (Griffith) for construction activities  
0700 Begin monitoring excavation.  
0830 Observed dead two-striped garter snakes. Point taken in Field Maps.  
1130 Update nest (KILL\_3)  
1500 End monitoring.  
1510 Leave site.

**Additional Comments**

N/A

**Signature**





**Excavation\_during\_facingWest.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: June 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	63 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	88 °F	4-6 MPH	40 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling.
2. Two excavators, one blade, one bulldozer, two water trucks, bottom dump trucks.
3. 15 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, COYE, SOSP, ALHU, KILL, SPSA, BLPH, MALL, NRWS, CASJ, BARN, SPTO, CORA, HOFI, CALT, MODO, BEWR, ATFL, CAKI, CAQU, RTHA, Common side-blotched lizard, Western fence lizard, Coastal whiptail

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

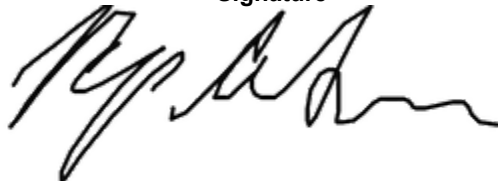
**Log Entry**

0630 Arrived on site.  
0700 Monitored sediment removal activities.  
0715 Identified one new COYE nest (COYE\_3).  
0730 Identified one new SPSA nest (SPSA\_1).  
0939 Updated KILL\_3 nest.  
1127 Identified one new MODO nest (MODO\_6).  
1137 Identified one new MODO nest (MODO\_7).  
1145 Identified one new CALT nest (CALT\_6).  
1155 Identified one new BUSH nest (BUSH\_24).  
1430 Checked on status of KILL\_3 nest. Still incubating.

**Additional Comments**

N/A

Signature





06-01-2021\_sediment\_removal\_facingWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: June 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	59 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	84 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling.
2. Two excavators, one blade, one bulldozer, one skip loader, three water trucks, bottom dump trucks.
3. 15 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, KILL, SPSA, NRWS, COYE, SOSF, HOFI, CALT, CORA, BARS, YEWA, MALL, CLSW, MODO, BHGB, LEGO, RSHA, ACWO, ATFL, CAKI, CASJ, BLPH, Western toad, California ground squirrel

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

**Log Entry**

0630 Arrived on site, attended tailboard.

0641 Checked on status of KILL\_3 nest. Still incubating.

0645 Conducted clearance sweep of all roads and work areas.

0700 Monitored sediment removal activities.

0800 Assessed excavator track in damage to the north of the project area.

0910 Conducted a clearance sweep of all roads and work areas.

1125 Updating COYE\_2 nest.

1155 Updated YEWA\_2 nest.

1218 Updated YEWA\_1 nest.

1225 Updated ANHU\_11.

1240 Updated WREN\_1.

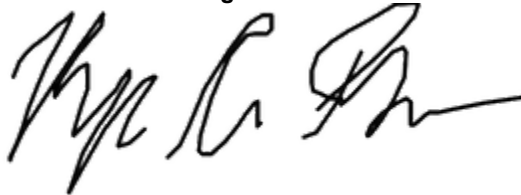
1300 Conducted a clearance sweep of all roads and work areas.

1450 Checked status of KILL\_3 nest. Still incubating.

**Additional Comments**

N/A

Signature





06-02-2021\_sediment\_removal\_facingSouthEast.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: June 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:20	61 °F	0-3 MPH	90 %
<b>End of Day</b>	15:04	82 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) Excavation
- 2) Two excavators, one scraper, one bulldozer, two water trucks, haul trucks
- 3) John (Griffith)

**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, CORA, HOFI, Coyote, WTSW, BARS, KILL, CASJ, SPSA, NRWS, CLSW, CALT, SPTO, ANHU, COYE, SOSPO, MALL, Amazona spp., LEGO, BLPH, California ground squirrel, WEKI, MODO, EUCD, EUST, Western toad, Baja California tree frog, Western fence lizard, Western side blotch lizard

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

**Log Entry**

0620 Onsite.  
0630 Coordinate with John (Griffith) about construction activities and potential for work life on roads.  
0640 Clear main access roads for haul trucks.  
0700 Begin monitoring (Pic. 1.)  
1045 Update nest (KILL\_3).  
1230 Assist in western toad translocation in the restoration area.  
1500 End monitoring.

**Additional Comments**

Pic1 - excavation\_during\_facingW

**Signature**





photo\_1-during\_excavation\_facingWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: June 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	57 °F	0-3 MPH	0 %
<b>End of Day</b>	17:10	84 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) Excavation
- 2) Two excavators, one scraper, one bulldozer, two water trucks, haul trucks
- 3) John (Griffith), Fahim and Daniel (LA County 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:**

ACWO, SOSP, COYE, WEBL, CASJ, CORA, AMCR, CALT, WEKI, BLPH, OATI, BUSH, Amazona spp., BARS, NRWS, WTSW, BHGR, ANHU, NOMO, MODO, BEWR, KILL, LEGO, NUWO, Western Fence Lizard, Western Side-Blotched Lizard, PHAI, COHA, EUST, TUVU, RTHA, Western Toad, Leech, SNEG, MALL, SSHA

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

**Log Entry**

0630 Onsite; coordinate with John (Griffith)  
0640 Clear main access roads  
0700 Begin monitoring (Pic. 1). Recorded nest (BHGR\_2)  
0845 Nest update (MODO\_6)  
0900 Coordinate with Daniel and Fahim (LA County Public Works)  
0937 Coordinate with Cal Earth worker about bird buffers.  
1500 End monitoring  
1510 Leave site

**Additional Comments**

N/A

Signature





**Excavation\_during\_facingSouthEast.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: June 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	61 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	63 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Excavation north west side of site and east side of site near water tank. Checked on report by resident of CALTs feeding possible nestlings. No nest found, probable fledglings? Drove roads to check for snake presence although weather was cold in cloudy all day. Checked on KILL -03 nest, still active. Saw dump truck parked near KILL-03 nest, Explained flagging to him and told him to move and that he could not park there in the future.

**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, YEWA, CASJ, BEWR, BUSH, WEWP, SPTO

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

**Log Entry**

SEE ABOVE

**Additional Comments**

Sprinkled on and off from about 11 AM until 3 PM

**Signature**





**Excavation\_faceWest.jpg**  
-118.17228 34.19187



**Excavation\_faceEast.jpg**  
-118.17383 34.18999

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:05	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	75 °F	4-6 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

1. Hauling dirt, grading, moving large rocks
2. 2 excavators, tractor with bucket, scraper, water trucks
3. Griffiths (Joe Carattini, Johnny Griffiths, Alex)

**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, CALT, CASJ, BARS, KILL, CLSW, NRWS, CORA, WEBL, LEGO, ANHU, COYE, WREN, MALL, SPSA  
Western Toad, California Ground Squirrel, Whip Tail, Tree Frog

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

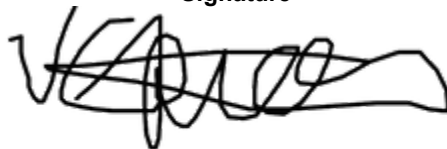
**Log Entry**

0605 Biologist arrived on site  
0630 No formal tailgate, spoke with Alex about days activities  
0700 Began site walkover  
0945 Water began flowing in from drainage on eastern side of the site, flowing into pond area  
1033 Observed predated eggshell with yolk present (34.1865579, -118.1749226) potential nest indent 2m South West no other eggs or bird present in immediate vicinity.  
1100 KILL-3 update - KILL observed on nest - incubating  
1350 SPSA observed on nest - incubating  
1400 MALL-1 observed on eastern bank of ponded area with 8 ducklings  
1405 Water flow into pond all but stopped  
1500 End of day

**Additional Comments**

Updated: MALL-1, SPSA-1. Spoke with Alex and Johnny about timeline for KILL-3.

**Signature**





**Loading\_dirt\_060821.jpg**  
-118.17346 34.1891



**Scraper\_at\_work\_060821.jpg**  
-118.17347 34.1891





**Second\_excavation\_site\_060821.jpg**  
-118.17206 34.19216



**Shot\_of\_site\_facing\_SouthEast\_060821.jpg**  
-118.17439 34.19062

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	59 °F	0-3 MPH	75 %
<b>End of Day</b>	15:10	77 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating, loading dirt into haulage trucks, hauling dirt off site
2. Two excavators, scraper, tractor with a bucket attachment, water trucks, 70 haulage trucks, bulldozer
3. Griffiths: Johnny Griffith, 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:**

KILL, MODO, CORA, ACWO, SOSP, Parrot (Amazona sp.), LEGO, CLSW, HOFI, COYE, BARS, BLPH, NRWS, SPSA, CASJ, SAPH, Western fence lizard, Whiptail, Western toad (toadlets and tadpoles), Cabbage white butterfly, California sister butterfly, California ground squirrel

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

**Log Entry**

0615 Began site walkover. Road sweep.

0630 KILL-3: KILL in nest - incubating

0700 Works began

0723 Deceased western toad looks as though it was run over (34.1937605, -118.1709610).

0900 Road sweep

0930 Conducted WEAP training for George Martinez

0945 Continued road sweep

1050 Moved western toad tadpoles from drying ponds from stream that ran to large ponded area (for a brief period yesterday) upstream

1115 Observed vegetation in South West for nesting bird activity. Lots of SOSP and COYE calling and singing

1200 KILL-3 observed incubating

1205 Conducted road sweep

1255 Checked area North West of works area (in wash, where non permitted excavator entered in late May).

Updated CALT-6, MODO-6, MODO-7. Silt fencing compromised along wash edge ( section open )

**Additional Comments**

Follow up checks on KILL-3 (incubating), MODO-6, MODO-7, CALT-6

**Signature**





**Grader\_grading\_alongside KILL-3 buffer.jpg**  
-118.17293 34.18998



**Tractor\_moving\_boulders\_to\_pile\_060821.jpg**  
-118.1729 34.19008



Excavator\_loading\_haulage\_truck\_station1\_060821.jpg  
-118.1729 34.19007



Excavation\_at\_the\_NorthWest\_end\_of\_the\_site\_06082159.jpg  
-118.17081 34.19416

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	51 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	77 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Loading and hauling dirt, grading pathways
2. Two excavators, bulldozer, tractor with bucket attachment, water trucks, grader
3. Griffiths; Johnny Griffith, 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:**

CASJ, BARS, NRWS, LEGO, SOSP, BUSH, HOFI, CLSW, CALT, YEWA, CORA, COHA, GREG, SPSA, MODO, KILL, BLPH, RTHA, Parrot (amazona sp.). California ground squirrel, Western fence lizard, Western toad (adult, tadpole, toadlet), Cottontail,

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

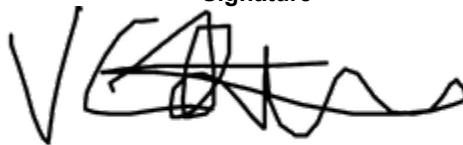
**Log Entry**

0615 Conducted road sweep  
0700 Works commenced  
0750 BUSH collecting nesting material on far side of ESA fencing, couldn't discern potential nest location (34.1884258, -118.1769038)  
0800 Observed vegetation in South West area for nesting bird activity. Updated BHGR-1, COYE-1  
0945 Conducted road sweep  
1120 KILL observed incubating (KILL-3)  
1200 Scoped excavator route near Johnson's field Updated CAQU-2  
1330 Conducted sweep  
1515 End of monitoring

**Additional Comments**

Crew made repairs to silt fencing - including section into wash at N end of site.

**Signature**





**Trucks\_hauling\_dirt\_photo\_1-20210610-144332.jpg**  
-118.17432 34.19065



**Ponded\_area\_to\_SouthEast\_061021.jpg**  
-118.17549 34.18672



**Excavator\_II level\_with\_Johnsons field\_061021.jpg**  
-118.17212 34.19188



**Site\_overview\_looking\_North NW.jpg**  
-118.17219 34.19167

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	82 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Hauling dirt, scraping roadways, watering roadways, moving rocks
2. 2 excavators, 1 scraper, 1 tractor with bucket attachment, 1 bulldozer, water trucks, haulage trucks (around 70)
3. Griffiths

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

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

**List of species observed while monitoring:**

CAKI, NRWS, CORA, LEGO, KILL, BLPH, WEBL, ANHU, MALL, SBMU, ALHU, CLSW, CASJ, HOFI, CALT, CATH, MODO, BARS, Parrot (amazona sp.) Cottontail, Cabbage white butterfly, Common buckeye, Western toad, Western tiger swallowtail, Western fence lizard, Whiptail, California ground squirrel

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

**Log Entry**

0615 Conducted road sweep  
0655 Conducted WEAP training for Jimmie Domingo  
0730 Observed deceased juvenile rodent (34.1863027, -118.1742202) on a roadway near the pond - not an area currently frequented by site traffic  
0740 MALL with 7 ducklings in ponded area  
0850 Conducted road sweep  
1010 Updated MODO-6 - fledged  
1030 Walked excavator route adjacent to Johnson's field to assess for damage - sent photos and details to Mari - one ripped oak tree branch.  
1130 Investigated ESA fence boundary line to ensure accurate placement by request of Emily Burns  
1205 KILL-3 - KILL on nest - incubating  
1215 Conducted road sweep  
1330 Walked fence line at marker 17, verified fencing in the right location (using maps). Vegetation on project side not planted (invasives - perennial pepperweed and mustard)  
1420 Found deceased gopher snake on main access road (between entrance and water tank)  
1450 Measured area where vegetation was removed without supervision  
1520 Alerted Joe to water tank overflowing  
1530 Finished monitoring

**Additional Comments**

N/A



Signature

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

Haulage\_trucks\_at\_the\_weigh\_station\_061121.jpg  
-118.1766 34.18755



Overview\_of\_site\_from\_SouthWest\_looking\_NorthEast.jpg  
-118.17582 34.18939



photo\_3\_Excavator\_loading\_trucks\_-20210611-161738.jpg  
-118.17352 34.19134



**Excavator 1 of 2\_061121.jpg**  
-118.17362 34.18801

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: June 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	96 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal and grading, Sediment moving trucks and graders Joe, superintendent of Griffith and Fahim, construction manager from 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:**

CASJ, KILL, CORA, BEWR, SNEG, MALL, GRHE, HOFI, CLSW, SOSP, Western Toad, Side Blotched Lizard

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

**Log Entry**

0700 monitored sediment removal activities

0715 observed KILL\_3 incubating

0730 Swept perimeter for reptiles

0830 Met Fahim, the Public works construction manager and he assured me that no vegetation clearing is to be done without a monitor present.

0900 Surveyed South West patch of vegetation for active nests

1030 Monitored sediment removal another observed KILL\_3 incubating

1200 Swept perimeter for reptiles

0100 Surveyed South West patch of vegetation

0200 Swept perimeter for reptiles

0315 Left the site for the day

**Additional Comments**

N/A

**Signature**





Soil\_removal\_facingSouthWest.jpg  
-118.17265 34.18965

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: June 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	68 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	100 °F	4-6 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal, Loading trucks Joe, Superintendent from Griffith

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

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

**List of species observed while monitoring:**

Kill, CLSW, CORA, SOSP, HOFI, Western Toad

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

**Log Entry**

0700 Observed KILL\_3 incubating

0730 Swept perimeter for reptiles

0830 Monitored sediment removal activities

1030 Swept perimeter for reptiles and noted three killdeer chicks with two adults near the pond at the southern end of the site.

1130 Observed KILL\_3 nest and noted that no adults were seen incubating for 2 hours. No eggs were found in the nest.

0100 Swept the perimeter for reptiles

0300 Left the site for the day

**Additional Comments**

KILL\_3 presumably fledged successfully and the killdeer chicks observed near the pond at the southern end of the site are likely the chicks from the KILL\_3 nest. Tomorrow I will survey the KILL\_3 nest again to confirm that it successfully fledged before telling the crew that they can begin to use the area surrounding the nest.

**Signature**





**Sediment\_removal\_facingSouthEast.jpg**  
-118.17314 34.18988

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: June 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	73 °F	0-3 MPH	25 %
<b>End of Day</b>	15:00	94 °F	4-6 MPH	50 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal, Loading trucks, dozers, graders, Daniel county construction manager and Joe Griffith 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:**

KILL, HOFI, CLSW, CORA, YEWA, BLPH

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

**Log Entry**

0700 Surveyed the area around KILL\_3 and confirmed that the nest was successful

0730 Spoke with the crew about the removal of the nest buffer and swept the perimeter for reptiles

0800 Surveyed the vegetation in the South West area of the site

0930 Monitored sediment removal at the northwest area of the site

1030 Swept for reptiles along the perimeter

1200 Surveyed the Vegetation in the South West area of the site

0100 Swept the perimeter for reptiles

0300 Left the site for the day

**Additional Comments**

N/A

**Signature**







**Sediment\_removal\_facingSouth.jpg**  
-118.17342 34.18934



**Sediment\_removal\_facingNorth.jpg**  
-118.17332 34.19093

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: June 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	96 °F	4-6 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal, Grading, some vegetation clearing with grader, Bucket loader, Loading trucks, John Griffith 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:**

HOFI, SOSP, CLSW, KILL, SNEG, Western Toad, COYE, CASJ, BLPH, Coastal Whiptail, CAL, Western Side-Blotched Lizard, WEKI, PHAN, RTHA

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

**Log Entry**

0700 Surveyed South West vegetation

0745 Gave WEAP training to Anthony

0830 Monitored slope grading

0930 Swept perimeter for reptiles

1130 Monitored grading and leveling near of the northern edge of the site. Surveyed small shrubs and herbs before they were cleared.

0130 Monitored sediment removal

0200 Monitored grading and leveling of northern edge of the site.

0300 Left site for the day

**Additional Comments**

Precipitation between 1100-1230. Small herbs were removed during grading of northern edge of site. Vegetation was surveyed, western side-blotched lizards were removed from the area before grading occurred.

**Signature**





**Slope\_grading\_facingSouthWest.jpg**  
-118.17293 34.18865



**Sediment\_removal\_facingSouthWest.jpg**  
-118.17293 34.18869



**Leveling\_Northern\_edge\_before\_facingNorth.jpg**  
-118.17096 34.19419



**Leveling\_northern\_edge\_after\_facingNorth.jpg**  
-118.17094 34.1941

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Trevin Braun**  
**Date of Log: June 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	66 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	92 °F	4-6 MPH	50 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal, Loader trucks, John Griffith 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:**

KILL, SOSP, HOFI, CORA, MALL, Western Toad, CALT, COYT, LEGO, BUSH, BLGR, Coastal Whiptail

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

**Log Entry**

0700 Surveyed the South West patch of vegetation

0800 Swept perimeter for reptiles

0900 Monitored sediment removal

1030 Swept perimeter for reptiles and surveyed South West patch of vegetation

0130 Surveyed vegetation, and swept perimeter for reptiles

0300 Left the site for the day

**Additional Comments**

N/A

**Signature**





**Sediment\_removal\_facingNorthEast.jpg**  
-118.17369 34.19024

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: June 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	61 °F	0-3 MPH	100 %
<b>End of Day</b>	15:40	86 °F	7-9 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1) excavation
- 2) excavator, bulldozer, scraper, haul trucks, two water trucks
- 3) John (Griffith), Daniel (LA County)

**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, SOSP, COYE, KILL, CALT, BHGR, Amazona spp., MODO, HOFI, LEGO, NOMO, BLPH, CAKI, NRWS, CLSW, desert cottontail, California ground squirrel, CASJ, RSHA, ANHU, ALHU, CAQU, COHA, side-blotched lizard, western fence lizard, western toad, Baja California tree frog

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

**Log Entry**

0630 onsite  
0700 coordinate with John (Griffith); begin monitoring excavation activities (Pic. 1).  
0710 update nest (KILL\_3)  
1400 spot-check SoCal gas crew looking for gas line (Pic. 2).  
1500 monitor crew excavating near gas and water line (Pic. 3).  
1530 end monitoring.  
1540 leave site.

**Additional Comments**

N/A

**Signature**





photo\_1- excavation1\_during\_facingSW.jpg



photo\_2- spot\_check\_during\_facingSW.jpg





photo\_3- excavation2\_during\_facingSW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	60 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	89 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling dirt
2. Two excavators, 1 scraper, water trucks, haulage trucks
3. Griffiths construction

**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, CALT, CLSW, Parrot (amazona sp.), ALHU, SOSP, LEGO, KILL, HOFI, CORA, Cottontail, Whiptail, Western toad, Cabbage white butterfly

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

**Log Entry**

0600 Arrived on site, gathered folder and equipment. Began road sweep.

0655 Work commenced

0800 ESA fencing compromised (marker 11+50)

0815 Observed vegetation in South West for Nesting bird activity. Lots of activity in area SOSP, LEGO no nests observed.

0850 Conducted road sweep

0950 Lots of KILL activity between arroyo creek and once ponded area, observed to check for nests - none observed

1030 Observed SPSA-1 observed for twenty minutes, no activity observed, no SPSA observed on site - potentially failed?

1100 Observed vegetation in South West looking for Nesting Bird activity

1155 Conducted road sweep

1325 Observed CLSW nests under spillway bridge; updated CLSW\_4, CLSW\_5 and added CLSW\_12, CLSW\_13, CLSW\_14

**Additional Comments**

N/A

**Signature**





**Excavator\_loading\_haulage\_trucks\_062221.jpg**  
-118.17303 34.1887



**Excavator\_2\_northern\_end\_062222.jpg**  
-118.17087 34.19393



Site\_view\_facing\_NE.jpg  
-118.17183 34.19355



Excavator\_moving\_dirt\_photo\_4-20210622-145141.jpg  
-118.17369 34.19119

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:10	63 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	88 °F	4-6 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling dirt
2. Two excavators, water trucks, 1 scraper, 1 bulldozer, haulage trucks
3. Griffith construction

**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, CORA, AMCR, CLSW, LEGO, ALHU, ANHU, BLPH, GRHO, KILL, parrot (Amazona spp.) western toad, cabbage white butterfly, whiptail

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

**Log Entry**

0710 Arrived on site. Commenced road sweep  
0830 Observed southwest vegetation for nesting bird activity  
0930 watched SPSA\_1 for 25 minutes, no SPSA observed, potentially failed?  
1000 conducted road sweep  
1120 checked for nesting bird activity around previously ponded area. A lot of KILL activity to the north of previously ponded area; no nests observed  
1230 conducted road sweep  
1340 observed spillover bridge; added CLSW\_15, CLSW\_16, updated CLSW\_3  
1500 End of monitoring

**Additional Comments**

N/A

**Signature**





**Dried pond area at southern end of the site\_062321.jpg**  
-118.17559 34.18626



**Weighing station and trim area\_062321.jpg**  
-118.17651 34.18757



Site overview facing NW\_062321.jpg  
-118.17312 34.18953



photo\_4-sediment hauling activites.jpg  
-118.17259 34.1918

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: June 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	57 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	86 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling.
2. Two excavators, one blade, one bulldozer, one skip loader, three water trucks, bottom dump trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, KILL, CLSW, SOSPO, SBMU, NRWS, HOFI, LEGO, HOWR, RTHA, ACWO, CASJ, RLPA, BUSH, SPTO, CALT, MODO, RSHA, desert cottontail, western toad, side-blotched lizard

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

**Log Entry**

0635 arrived on site, attended tailboard.

0645 conducted clearance sweep of all roads and work areas.

0700 monitored sediment removal activities.

0950 monitored skip loader and front loader rolling the ground near the northern end of the project area to compact the soil enough for bottom dump trucks to drive on.

0930 conducted clearance sweep of all roads and work areas.

1000 updated MODO\_7

1009 updated and deactivated BHGR\_2

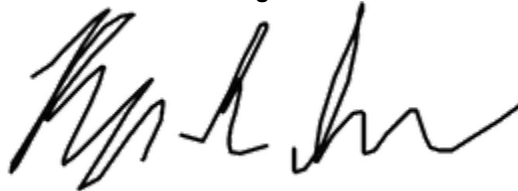
1041 updated and deactivated MALL\_

1230 conducted clearance sweep of all roads and work areas.

**Additional Comments**

N/A

Signature







06-24-2021\_hauling\_sediment\_facingSW.jpg



06-24-2021\_compacting\_soil\_facingW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: June 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	57 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	83 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling.
2. Two excavators, one blade, one bulldozer, one skip loader, three water trucks, bottom dump trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, KILL, SPTO, NRWS, SOSP, CALT, YEWA, HOFI, SBMU, CLSW, ANHU, CORA, desert cottontail, western fence lizard

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

**Log Entry**

0635 arrived on site, attended tailboard.

0645 conducted clearance sweep of all roads and work areas.

0700 monitored sediment removal activities.

0930 conducted clearance sweep of all roads and work areas.

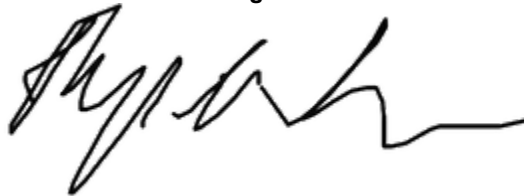
1230 observed water truck exceeding the speed limit. Notified LACDPW inspector and construction manager.

1245 conducted clearance sweep of all roads and work areas.

**Additional Comments**

N/A

Signature





06-25-2021\_loading\_and\_hauling\_sediment\_facingNW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	0-3 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling sediment
2. 2 excavators, scraper, front loader, bulldozer, 2 water trucks, haulage trucks (>70)
3. Griffith

**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, KILL, parrot (*Amazona* sp.), SOSA, LEGO, CLSW, ALHU, HOFI, CALT, whiptail, California ground squirrel, cabbage white butterfly, western toad, monarch butterfly

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

**Log Entry**

0600 Biologist arrived on site. Began clearance sweep

0700 work commenced

0740 observed vegetation in southwest area of the site for nesting bird activity

0850 conducted clearance sweep

1010 walked transects at southern end of site to check for KILL nests, lots of activity in that area (no nests observed)

1140 SPSA\_1 eggs present no SPSA observed. Nest failed based on timings of previous observations.

1200 measured oak branch broken off by excavator along Johnson's field route (approx 3m long, 1.5in diameter)

1230 began clearance sweep

1345 observed southwest section of site for nesting bird activity

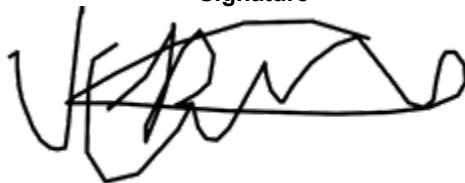
1440 observed KILL activity in southern section

1500 end of monitoring

**Additional Comments**

N/A

**Signature**





**Excavator\_1\_eastern edge looking SW.jpg**  
-118.1722 34.19189



**Site overview looking south from marker 31.jpg**  
-118.17151 34.1929



**Overview of site looking NW.jpg**  
-118.1714 34.1932



**photo\_4-sediment hauling activities.jpg**  
-118.17088 34.19393

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: June 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	64 °F	0-3 MPH	70 %
<b>End of Day</b>	15:00	84 °F	4-6 MPH	75 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling.
2. Two excavators, one blade, one bulldozer, one skip loader, three water trucks, bottom dump trucks, one backhoe.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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:**

RLPA, AMKE, NRWS, CLSW, CASJ, YEWA, HOFI, AMCR, ANHU, SOSP, ALHU, SPTO, LEGO, CORA, MODO, COYE, HOWR, WTSW, TUVU, KILL, western fence lizard, California ground squirrel, coastal whiptail

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

**Log Entry**

0635 arrived on site, attended tailboard.

0645 conducted clearance sweep of all roads and work areas.

0700 monitored sediment removal activities.

0715 surveyed vegetated southwest corner of project area for nesting activity.

0930 conducted clearance sweep of all roads and work areas.

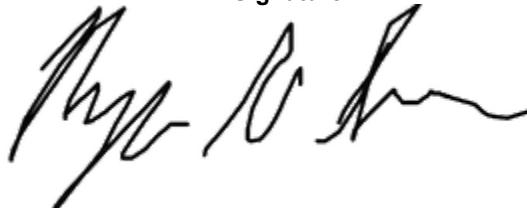
1220 conducted clearance sweep of all roads and work areas.

1333 updated COYE\_2.

**Additional Comments**

N/A

**Signature**





06-29-2021\_loading\_and\_hauling\_sediment\_facingN.jpg



06-29-2021\_trenching\_and\_grading\_facingN.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: June 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	62 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	95 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling sediment
2. 2 excavators, 2 water trucks, 1 scraper, 1 bulldozer, 1 front loader, 1 vehicle maintenance truck, between 70 and 75 haulage trucks
3. Griffith

**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, CORA, parrot ( Amazona sp.), CALT, LEGO, SOSP, ALHU, BARS, AMKE, KILL, HOFI, CLSW, MODO, monarch butterfly, cabbage white butterfly, western toad, California ground squirrel, California sister butterfly, coyote, western tiger swallowtail butterfly

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

**Log Entry**

0600 arrived on site. Began clearance sweep  
0700 work commenced  
0800 observed vegetation in southwest section for nesting bird activity  
0930 conducted clearance sweep  
1045 monitored for KILL activity in southern section of site  
1150 conducted clearance sweep  
1310 observed vegetation in southwest section just outside ESA  
1500 end of monitoring

**Additional Comments**

N/A

**Signature**





**Overview of northern section of site\_063021.jpg**  
-118.17162 34.19312



**Northern end of the project site\_063021.jpg**  
-118.17018 34.19422



**photo\_3-sediment hauling activities.jpg**  
-118.17288 34.19157



**Southern end of site\_063021.jpg**  
-118.17542 34.18669

## **APPENDIX D**

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Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	4-6 MPH	0 %
<b>End of Day</b>	13:30	81 °F	4-6 MPH	100 %

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

Restoration monitoring

**Construction Activity:**

Natures Image crew of 6 digging with an excavator, digging trenches with shovels, fusing pipe and laying irrigation 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:**

ACWO, CALT, NUWO, NOFL, RCPA, CAQU, RCKI, ROPI, BLPH, MODO, WCSP, western fence lizard, CASJ, SPTO, ANHU, SOSP, WEKI, RTHA, San Diego alligator lizard

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

**Log Entry**

0645: found an ACWO nest in the parking lot near the dumpster. Took a few minutes to observe and get a point.

0655: performed a nesting bird survey in DG-W-2.

0705: crew began fusing pipe in DG-W-2. Monitored this.

0905: crew began digging a trench to bury a 2 inch pipe beneath a low flow channel.

1200: monitored use of an excavator in DG-W-2.

1210: relocated a juvenile San Diego alligator lizard off the worksite.

1320: crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-trench\_digging\_DG-W-2\_facingS.jpg  
-118.17382 34.19351



photo\_2-new\_irrigation\_DG-W-2\_facingS.jpg  
-118.17409 34.19354



photo\_3-excavator\_use\_DG-W-2\_facingE.jpg  
-118.17418 34.1936



photo\_4-digging\_progress\_DG-W-2\_facingN.jpg  
-118.17411 34.19346

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	85 °F	4-6 MPH	70 %

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

Restoration monitoring

**Construction Activity:**

Five Labor Finders workers and two Natures Image workers performing vegetation removal using hand held tools in DG-5. Daniel- 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:**

RTHA, NUWO, COHA, MODO, SOSPO, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOWR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, WBNU, OCWA, WTSW, TUVU, HOWR, ALHU, coyote, STJA, BHGR, PUF1, western toad, western fence lizard, Botta's pocket gopher, WEKI

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

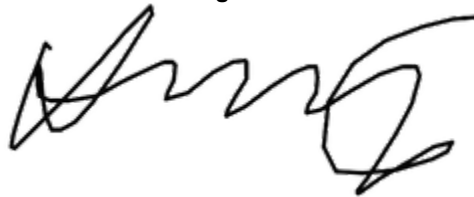
**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-5 using hand pulling/hand-held tools (non-mechanical) on non-natives, mostly in vegetative stage and some starting to flower (hemlock, mustard, Hordeum sp., Bromus spp., non-native grasses). Throughout the day, the biologist was searching for bird nest and breeding behavior. One new BUSH\_10 observed. The biologist answered plant questions and gave guidance, pin flagging natives for avoidance. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1515.

**Additional Comments**

I have heard that from the crew that there is a person who has German Shepard dogs that harass coyotes. There have been multiple observations of this.

**Signature**







**Vegetation\_clearing\_during.jpg**  
-118.17679 34.19074



**Vegetation\_removal\_during.jpg**  
-118.17645 34.19103

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	4-6 MPH	0 %
End of Day	14:55	77 °F	7-9 MPH	0 %

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

Restoration monitoring

**Construction Activity:**

Labor Finders crew of 6 hand pulling perennial pepperweed and mustard in DG-4B, Natures Image crew of 12 clearing poison hemlock, laying irrigation, digging with an excavator, and fusing pipe in DG-W-2 and DG-W-2 mining pit 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:**

BEWR, CAKI, CAQU, SOSPO, HOFI, BUSH, SPTO, CALT, CATH, ANHU, ACWO, western fence lizard, NOFL, CASJ, EUST, NUWO, California kingsnake

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

**Log Entry**

0645: performed a nesting bird survey in DG-4B.

0655: cleared Labor Finders crew to begin vegetation clearing in DG-4B. Performed a nesting bird survey in DG-W-2.

0715: cleared Natures Image crew to begin clearing vegetation in DG-W-2. Monitored vegetation clearing in both DG-4B and DG-W-2.

0745: Natures Image crew began fusing pipe and laying irrigation in DG-W-2. Monitored this.

0900: 2 members of the Natures Image crew worked on digging a trench to submerge some 2 inch pipe, another crew member watered potted plants.

1010: a few Natures Image crew members began digging holes in DG-W-2.

1130: Labor Finders crew began working on cleanup.

1200: Labor Finders crew left for day, Natures Image crew working on vegetation clearing began working on cleanup. At this point, the rest of the crew was working on laying new irrigation and fusing pipes.

1300: monitored use of an excavator to dig holes in DG-W-2. Relocated a California kingsnake out of the work area.

1445: crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-DG-4B\_before\_vegetation\_clearing\_facingE.jpg  
-118.17511 34.19198



photo\_2-DG-4B\_after\_vegetation\_clearing\_facingE.jpg  
-118.17514 34.19203



photo\_3-crew\_fusing\_pipe\_facingW.jpg  
-118.17456 34.19246



photo\_4-excavator\_use\_facingW.jpg  
-118.17412 34.19348

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	72 °F	7-9 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 6 hand pulling poison hemlock, mustard, and erodium in DG-4 near the 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:**

CALT, CAQU, SPTO, SOSP, BUSH, ANHU, BTYW, CASJ, STJA, HOFI, YRWA, LAGO, EUST, ACWO, WEBL, CATH, BEWR, BCHU, AMCR, desert cottontail, MALL, KILL, COYE, WEKI, WREN, COHU, ROPI, MODO, ATFL, common side-blotched lizard, COHA, RSHA, western fence lizard

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

**Log Entry**

0645: performed a nesting bird survey in DG-4.

0655: cleared crew to work, monitored vegetation clearing near the twin boulders field in DG-4.

1200: moved crew slightly southeast to the other side of the twin boulder area.

1450: crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4\_before\_vegetation\_clearing\_facingW.jpg  
-118.17538 34.19127



photo\_2-DG-4\_after\_vegetation\_clearing\_facingW.jpg  
-118.17536 34.1913



photo\_3-DG-4\_before\_vegetation\_clearing\_facingN.jpg  
-118.17524 34.19118



photo\_4-DG-4\_after\_vegetation\_clearing\_facingN.jpg  
-118.17525 34.19122

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	0 %
<b>End of Day</b>	14:40	72 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Monitoring Natures Image planting crew of 10 including foreman Daniel Holmes, working on west side, DG-W-2 Mining Pit and DG-W-2 Mining Pit 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:**

RCPA, CAQU, ACWO, CASJ, BEWR, BUSH, OATI, NOMO (injured leg), CALT, SPTO, ANHU, ALHU, PUFU, WCSP, LEGO, BUOR, AMRO, COHA, side-blotched lizard, western fence lizard, COHA, RSHA, RTHA, TUVU, CORA, BGGN, coastal whiptail

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

**Log Entry**

0645 checking on hummingbird nests etc in DG-W-2 Mining Pit. ANHU\_5 sitting tight (assume incubating), ANHU\_4 nestlings (2) still there, look very large. BUSH\_8 has not taken any more shape since 7 days ago, possibly abandoned, OATI seen gathering bark and fluff, taking it all the way back to live oaks beyond access road, about 400 feet to west, vicinity of 34.193783°N 118.174807°W, out of project area boundary. Monitoring four workers continue to pull weeds (primarily hemlock and pepperweed) on southeast side of new channel in DG-W-2. The Cardamine species in this area is non-native *C. hirsuta* and is approved for removal. I may have mis-ID'd last week's Cardamine as the native *C. oligosperma*, which is listed on several local plant lists. I have my plant lens with me now and am inspecting them more thoroughly. Also some weeding and irrigation work in DG-W-2 Mining Pit Outlet further south.

1130 Daniel starts augering new holes in DG-W-2 Mining Pit, in vicinity of 34.193552°N 118.174102°W.

1415 observing first coastal whiptail of season in DG-W-2 irrigation installation area. Also monitoring irrigation setup and weeding to the southeast in same area. Weeding crew done at 1440.

1430 there is a Tom Sawyer Camps guy releasing young California ground squirrels from live traps caught in their horse area, 0.25 mi north, into the dumpster area. Daniel is concerned but I don't think there's anything illegal going on, will ask Stillwater.

**Additional Comments**

N/A

Signature







photo\_1-hand-pulling\_DG-W-2\_facingS.jpg  
-118.17415 34.19266



photo\_2-augering\_for\_planting\_DG-W-2\_Mining\_Pit\_facingS.jpg  
-118.174 34.19361



photo\_3-irrigation\_line\_DG-W-2\_facingSE.jpg  
-118.17443 34.19328



photo\_4-after\_hand-pulling\_DG-W-2\_facingW.jpg  
-118.174 34.19265

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	72 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 6 (including Charlie from planting crew) hand-pulling on 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:**

HOFI, PUF1, CASJ, RSHA, RCPA, SOSP, SPTO, CALT, HOWR, ALHU, ANHU, STJA, BUSH, CAQU, WEBL, side-blotched lizard, western fence lizard, western toad, COYE, MODO

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

**Log Entry**

0645 crew starts weeding around plantings in DG-4, DG-4A, along south-central access road, vicinity of 34.190786°N 118.175307°W. I am flagging out a 50-ft buffer around BUSH\_9 nest discovered last week. The bushtits are still placing material inside nest and are tolerant of one worker hoeing the pepperweed directly underneath.

0900 one of the workers discovered a tripped rat spring trap at 34.191751°N 118.175634°W with bird feathers and blood, feathers suggest California towhee, along with 3 gallon ziploc bags ripped open, one of those with feathers. Daniel and Mike came to investigate; we could not find any more traps. We think it was just kids fooling around but who knows. I later bagged up the evidence at the end of day. Mike spoke to Margie and I emailed her photos later on. Back with crew, there may be native *Elymus triticoides* (not flowering yet) and native *Bromus carinatus* (flowering), plus native horseweed, poppy, etc, growing amongst *Br. hordaceus*, *Br. madritensis*, *Festuca myuros*, Lupine, Phacelia, etc. Given that there are a lot of native forbs mixed in here, crews are focusing on pepperweed, conium, non-native grass seed heads, etc. I'm advising the crew to hand-pull the pepperweed rather than just cut off the leaves with the hoe or tiller and risk letting it resprout. COYE, SPTO, SOSP to be aware of in this area as the understory vegetation gets taller.

1230 crew seems to be slowing down, socializing, and I called Daniel to meet with them for motivation and to ensure that the weeds inside the planting watering rings get pulled.

1430 crew is done pulling. I then get a few more photos, notes, and coordinate with Daniel and Mike on a few nests, etc.

**Additional Comments**

N/A

Signature





photo\_1-hand-pulling\_DG-4\_allowed\_under\_BUSH9\_nest\_facingW.jpg  
-118.17541 34.19082



photo\_2\_DG-4\_after\_hand-pulling\_facingN.jpg  
-118.1751 34.19044



photo\_3-DG-4\_hand-pulling\_facingS.jpg  
-118.17503 34.19038



photo\_4-DG-4\_after\_hand-pulling\_facingS.jpg  
-118.17504 34.19039

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	90 %
<b>End of Day</b>	15:00	72 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 laying irrigation, digging with an excavator, and clearing perennial pepperweed and mustard in DG-W-2 and DG-W-2 mining pit 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:**

HOFI, WEBL, ACWO, WREN, BUSH, MODO, CATH, BEWR, SOSP, CASJ, CAKI, SPTO, NOFL, RTHA, HETH, western fence lizard, San Diego alligator lizard.

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

**Log Entry**

0645: monitored vegetation clearing and irrigation setup in DG-W-2 and DG-W-2 mining pit outlet.

0730: found a BEWR constructing a nest in DG-W-2. crew was advised to avoid and the area was flagged. Several crew members switched to working on cleaning up after the crew who left piles from a previous day.

0740: relocated a juvenile western fence lizard out of the work area.

1020: relocated a juvenile San Diego alligator lizard.

1345: monitored use of an excavator in DG-W-2.

1500: crew members wrapped up for the day.

**Additional Comments**

N/A

Signature





**photo\_1-before\_vegetation\_clearing\_DG-W-2\_facingS.jpg**  
-118.1742 34.19273



**photo\_2-after\_vegetation\_clearing\_DG-W-2\_facingS.jpg**  
-118.17417 34.19276



photo\_3-new\_irrigation\_DG-W-2\_facingN.jpg  
-118.17452 34.19304



photo\_4-excavator\_use\_DG-W-2\_facingS.jpg  
-118.17395 34.19359



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	10 %
<b>End of Day</b>	14:47	79 °F	4-6 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 hand pulling perennial pepperweed, digging holes, and clearing vegetation piles in DG-W-2, DG-W-2 mining pit.

**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, CALT, SPTO, CASJ, ACWO, OATI, COYE, OCWA, EUST, CAQU, RCPA, HOFI, STJA, BGGN, MODO, YRWA, LEGO, CAKI

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

**Log Entry**

0645: monitored vegetation clearing and clearing of old vegetation piles in DG-W-2.

0830: performed a nesting bird survey in the far north part of DG-4 for Tetra Tech, who is planning to move one of its monitoring stations there.

1230: crew finished up in DG-W-2, began pulling vegetation in DG-W-2 mining pit.

1300: monitored use of an excavator in DG-W-2.

1440: crew began wrapping up digging and pulling while I inspected the site.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink that reads "Mick Walsh". The signature is written in a cursive, somewhat stylized font.



photo\_1-before\_vegetation\_pulling\_DG-W-2\_facingS.jpg  
-118.17419 34.1926



photo\_2-after\_vegetation\_pulling\_DG-W-2\_facingS.jpg  
-118.1742 34.19261



photo\_3-digging\_with\_excavator\_DG-W-2\_facingSW.jpg  
-118.17413 34.19362

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Labor Finders workers and two Natures Image workers performing vegetation removal using hand held tools in DG-4. Charlie, Natures Image foremen.

**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, COHA, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, ACWO, ANHU, CALT, BEWR, AMCR, HOWR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, TUVU, HOWR, ALHU, western toad, western fence lizard, CAKI, COYE, RSHA

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 using hand pulling/hand-held tools(non-mechanical) on non-natives, (pepperweed, hemlock, mustard, Hordeum sp., Bromus spp., non-native grasses). Throughout the day, the biologist was searching for bird nest and breeding behavior. One new SOSP\_1 observed. The biologist answered plant questions and gave guidance. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1515.

**Additional Comments**

Signature





**Vegetation\_removal\_during.jpg**  
-118.17515 34.19017



**Vegetation\_removal\_before\_facingSE.jpg**  
-118.17465 34.19183

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	53 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	77 °F	7-9 MPH	1 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 working on irrigation and hand pulling perennial pepperweed, mustard and poison hemlock in DG-W-2, DG-W-2 mining pit 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:**

WREN, ACWO, CALT, SOSP, BEWR, ANHU, COHA, CASJ, NUWO, BUSH, LEGO, SPTO, CAKI, YRWA, western fence lizard, desert cottontail.

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

**Log Entry**

0645: gave weep training to a new crew member.

0710: monitored vegetation clearing in DG-W-2 mining pit outlet.

0820: monitored pipe fusion in DG-W-2.

0840: spotted the Tetra Tech driver who was installing a new monitoring station as he drove a forklift down a service road in DG-4.

1200: found a bushtit nest early in construction in DG-W-2. Crew was advised to avoid and the area was flagged.

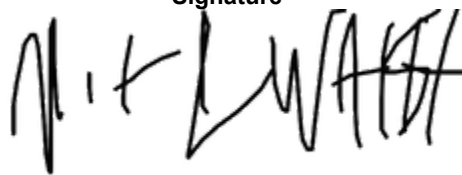
1337: discovered 3 citizens in DG-4 near the twin boulders area lighting off fireworks. They were asked to leave and they ran away.

1440: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_vegetation\_clearing\_facingS.jpg**  
-118.17462 34.1921



**After weeding\_DG-W-2 outlet.jpg**



photo\_3-irrigation\_work\_DG-W-2\_facingN.jpg  
-118.17432 34.19313



photo\_4-firecrackers\_DG-4\_facingS.jpg  
-118.17531 34.19107



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Six Labor Finders workers and two Natures Images workers performing vegetation removal using hand held tools in DG-4. Charlie, Natures Image foremen.

**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, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, ACWO, ANHU, CALT, BEWR, AMCR, HOWR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, EUST, TUVU, HOWR, ALHU, western fence lizard, CAKI, COYE, RSHA, toad tracks, cottontail, WTSW

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

**Log Entry**

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 using hand pulling/hand-held tools(non-mechanical) on non-natives, (pepperweed, hemlock, mustard, Hordeum sp., Bromus spp., non-native grasses). Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions and gave guidance. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1515.

**Additional Comments**

A young cottontail rabbit was found dying. It had a broken leg and skull appeared uneven, nose/mouth bleeding. This did not appear to be project related because the crew member working in the area was not using any tools.

**Signature**





**Vegetation\_removal\_during.jpg**  
-118.17461 34.1917



**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17453 34.19164

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	10 %
<b>End of Day</b>	14:52	79 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures image and labor finders crew of 13 hand pulling perennial pepperweed, mustard, poison hemlock and geosop foot (*Chenopodium album*) in DG-W-2 mining pit outlet and 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:**

BUSH, SOS, BEWR, SPTO, CATO, CATH, ANHU, WCSP, NOFL, RCPA, MODO, CAQU, OATI, RTHA, CAKI, common side blotched lizard, western fence lizard, BHGR, desert cottontail.

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

**Log Entry**

0645: checked on a bushtit nest in DG-W-2 and advised the crew leads on how to approach a work area near it ( BUSH\_11). 0700: monitored vegetation clearing in DG-W-2 mining pit outlet. 0820: nests ANHU\_4 and BUSH\_8 were confirmed inactive by myself and Margie. Old flagging was removed, and the natures image crew was moved in to weed the area, which was in DG-W-2. 1140: half of the labor finders crew was moved into the mining pit to weed the channel. 2 natures image crew members worked on irrigation in DG-W-2. 1210: monitored digging with an excavator in DG-W-2. 1250: mourning dove nest discovered in DG-4A near the sheetflow area, nest was logged in collector (MODO\_1) and crew was advised to avoid. 1435: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_veg\_clearing\_mining\_pit\_outlet\_facingSW.jpg  
-118.17584 34.19153



photo\_2-after\_veg\_clearing\_mining\_pit\_outlet\_facingSW.jpg  
-118.17589 34.19146



photo\_3-before\_veg\_clearing\_DG-W-2\_facingW.jpg  
-118.17412 34.19299



photo\_4-after\_veg\_clearing\_DG-W-2\_facingW.jpg  
-118.17419 34.19301

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	70 °F	0-3 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Planting crew: Natures Image crew of 7 incl foreman Daniel Holmes working on 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:**

CALT, ANHU, ALHU, RCPA, BUSH, YRWA, BHGR\*, ATFL\*, AMRO, WCSP, Woodrat middens, CAQU, SPTO, HOOR\*, ACWO, NUWO, OATI, BEWR, BLPH, SOSP, Fence lizard, Sagebrush lizard, Desert cottontail, RTHA, COHA, PUF1, COYE \*first 2021 obs

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

**Log Entry**

0645 Gave environmental training to new NI worker Oscar Ortiz, then we joined crew weeding in DG-W-2 Mining Pit. I clarified the nesting buffers here for the fledged ANHU nest, abandoned BUSH\_8 nest (no buffer), and new BUSH\_11 nest.

1000 Daniel wanted to start augering at N end of DG-W-2 Mining Pit so I checked on CASJ-4 nest and it has failed, empty. I updated collector and removed flags at this lower level.

1030 Began monitoring auger/excavator.

1200 Two workers arrive to pull pepperweed, hemlock, mustard, curly dock that overgrown in now-released CASJ-4 buffer.

1420 Weeding and augering done (crew moves elsewhere). After crew leaves, I observe CASJ rebuilding at approx 34.193417°N 118.173415°W using twigs from large willow near CASJ-4. Documenting location in Collector and finishing notes.

**Additional Comments**

N/A

**Signature**





photo\_1-auger-excavator\_DG-W-2\_Mining\_Pit\_facingNE.jpg  
-118.17388 34.19359



photo\_2\_weeding\_DG-W-2\_Mining\_Pit\_facingW.jpg  
-118.17415 34.19313



photo\_3-weeding\_augering\_DG-W-2\_Mining\_Pit\_facingNE.jpg  
-118.17385 34.19352



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	99 %
<b>End of Day</b>	14:15	66 °F	4-6 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 fixing irrigation, hand pulling mustard, poison hemlock, tree tobacco, and numerous annual weeds 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:**

CAQU, CASJ, SOSP, NUWO, ALHU, SPTO, CATH, CAFI, CAKI, CATO, WCSP, YRWA, EUST, WEBL, VGSW, BUSH, NOMO, San Diego gopher snake, AMCR, Desert cottontail, Western fence lizard, Common side blotched lizard.

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

**Log Entry**

0645: Monitored vegetation clearing in DG-W-1.

0700: Sent 1 crew member to fix an irrigation problem in DG-W-1.

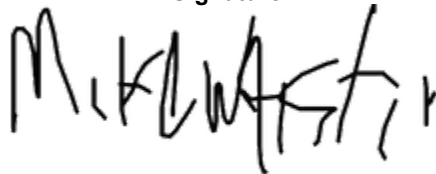
1250: Surveyed nearby work areas for nests.

1400: Crew began wrapping up veg clearing while I inspected the site.

**Additional Comments**

At around 1300, I observed 5 birds of different species working together to scold a gopher snake in DG-2 in the large patch of poison oak by the boulder. Birds were: CASJ, CATO, NOMO, BUSH, SPTO.

**Signature**





photo\_1-before\_veg\_clearing\_DG-W-1\_facingW.jpg  
-118.17167 34.19213



photo\_2-after\_veg\_clearing\_DG-W-1\_facingW.jpg  
-118.17169 34.19214



photo\_3-before\_veg\_clearing\_DG-W-1\_facingN.jpg  
-118.1722 34.19176



photo\_4-after\_veg\_clearing\_DG-W-1\_facingN.jpg  
-118.17223 34.19176

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	53 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	56 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Temp crew at east side (Johnson Field), crew of 6 plus Charlie from Natures Image; Daniel Holmes supervising.

**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, CAQU, RTHA, BHGR, CASJ, LEGO, NUWO, HOWR, SOSP, SPTO, CALT, RCPA, ALHU, ANHU, BUOR, ACWO, EUST, WCSP, YRWA, BEWR, BUSH, WEBL, CAKI, BTYW, HEWA, ATFL

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

**Log Entry**

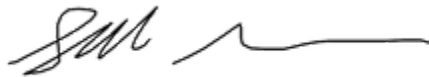
06:45 Temp crew continuing in DG-W-1 (Johnson Field). Assisting with plant ID and nest-searching. Weeds in this area include Hirschfeldia, Sisymbrium, Conium, Centaurea melitensis, Chenopodium (album, murale), non-native bromes and Festuca myuros, Erodium, Melilotus, Lepidium didymum, L. latifolium, Carduus pycnocephalus, Medicago, Nicotiana glauca sprouts, Spargula arvensis. Natives to avoid were primarily Phacelia ramosissima, Calandrinia menziesii, Plagiobothrys (canescens?).

14:30 Light drizzle all day until about

**Additional Comments**

N/A

**Signature**





photo\_1\_hand-pulling\_DG-W-1\_Johnson\_Field\_facingS.jpg  
-118.17211 34.19185



photo\_2\_after\_hand-pulling\_DG-W-1\_Johnson\_Field\_facingS.jpg  
-118.17212 34.1918

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	55 °F	4-6 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 digging, laying irrigation, and clearing perennial pepperweed and poison hemlock 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:**

CATO, SOSP, ANHU, CANG, RCPA, CAQU, CASJ, SPTO, WEKI, ACWO, BUSH, BHGR, MODO, WEBL, LEGO, OCWA, ATFL, WREN, NOMO, NUWO, AMCR, WETA, YRWA, TOWA, COYE, LISP, Desert cottontail, BEWR, Common side blotched lizard, HOFI, CATH, CAKI, AMRO, Fox squirrel, coyote.

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

**Log Entry**

0645: Monitored vegetation clearing in DG-W-2.

0900: Discovered a CASJ nest being built in the northeast corner of DG-W-2. Flagging was put up and crew was advised to avoid.

0910: 2 crew members began working on irrigation setup in DG-W-2.

1220: Went to the mining pit outlet to look for a scrub jay nest; an adult had been seen and lost with nesting materials earlier in the day. Nest not found.

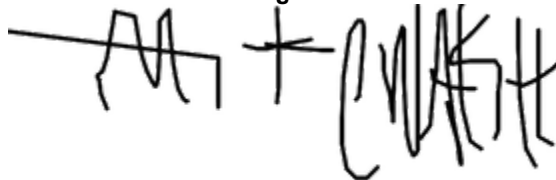
1330: Supervised use of an excavator to dig holes in DG-W-2.

1435: Crew began working on cleanup while I inspected the site.

**Additional Comments**

Scattered showers throughout the day.

**Signature**





photo\_1-before\_hand\_pulling\_DG-W-2\_facingW.jpg  
-118.17436 34.19296



photo\_2-after\_hand\_pulling\_DG-W-2\_facingW.jpg  
-118.17437 34.19301



photo\_3-digging\_progress\_DG-W-2\_facingE.jpg  
-118.17387 34.19354



photo\_4-new\_irrigation\_DG-W-2\_facingNW.jpg  
-118.17387 34.19351



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	4-6 MPH	100 %
<b>End of Day</b>	14:10	63 °F	7-9 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 removing perennial pepperweed and poison hemlock with hand tools and by hand, digging with an excavator, and helping take delivery on new plants 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:**

CASJ, ATFL, CALT, MOD0, RCPA, ANHU, NUWO, HOFI, BEWR, SPTO, ROPI, AMCR, ACWO, RTHA, CAQU, BUSH, BLPH, LEGO, CATH, WEBL, NOMO, WCSP, YRWA.

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

**Log Entry**

0645: Monitored vegetation clearing in DG-W-2.

0730: Found a California towhee nest at the northwest corner of DG-W-2.

0820: Monitored use of an excavator to dig holes in DG-W-2.

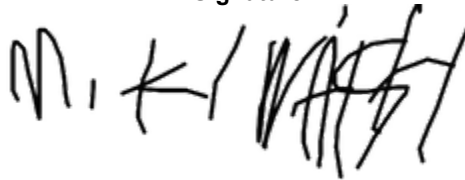
0925: Took delivery on new plants from Tree of Life. Crew then worked on moving and organizing plants in the channel from the delivery site.

1345: Crew wrapped up digging, focused solely on moving new plants while I inspected the site.

**Additional Comments**

Orange morph male HOFI seen on site near horse stables.

**Signature**





photo\_1-before\_veg\_clearing\_DG-W-1\_facingSW.jpg  
-118.17428 34.19341



photo\_2-after\_veg\_clearing\_DG-W-1\_facingSW.jpg  
-118.17429 34.19341



photo\_3-excavator\_use\_DG-W-2\_facingNE.jpg  
-118.17395 34.19336

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	4-6 MPH	100 %
<b>End of Day</b>	15:15	63 °F	4-6 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

A crew of six temp (including 1 NI) worked on weed removal in Johnson Field, DG-W-1. Charlie and Daniel were NI supervisors.

**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, WREN, CANG, RTHA, COHA, HOFI, LEGO, SOSP, COYE, ATFL, CAQU, Western toad, MODO, CASJ, ANHU, BEWR, BUSH, CALT, YRWA, WCSP, Cottontail, WEBL, NUWO, PUF1, ACWO, CHSP, BUOR, CATH, BLPH, RCPA, HOWR, California ground squirrel, BHGR, BTPI, WIWA, NOMO, ALHU, CORA, AMPI

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

**Log Entry**

6:45 Biologist met with the crew. The crew used hand tool to remove non-native species. Non-native plants include: poison hemlock, mustard (vegetation stage), horehound, Chenopodium, Melilotus, Erodium spp., and Glebionies sp. One nest was updated BUSH\_7. The crew avoided the surrounding nest buffers: CASJ\_6 and BUSH\_7. After lunch the crew continued to work in Johnson Field. The biologist assisted with plant identification questions throughout the day.

15:15 Biologist completed report and left site.

**Additional Comments**

N/A

**Signature**





**Weed\_clearing\_during\_facingS.jpg**  
-118.17136 34.19207



**Vegetation\_removal\_during\_facingW.jpg**  
-118.17179 34.19126

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	44 °F	0-3 MPH	40 %
<b>End of Day</b>	15:00	68 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 planting, digging, and laying irrigation 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:**

CAQU, CALT, CASJ, NOMO, ACWO, LEGO, HOFI, MODO, OATI, SOSP, RCPA, BGGN, BUSH, SPTO, ATFL, EUST, OCWA, WCSP, WEBL, BLPH, Coastal whiptail.

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

**Log Entry**

0645: Crew finished up placing plants into DG-W-2 from yesterday's delivery.  
0730: 4 crew members began working on planting while 3 worked on laying irrigation.  
1400: Monitored use of an excavator to dig holes in DG-W-2.  
1440: Crew began cleaning up while I inspected the site.

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read "MIK WALSH". The letters are stylized and somewhat cursive.



photo\_1-planting\_progress\_DG-W-2\_facingW.jpg  
-118.17377 34.19354



photo\_2-planting\_progress\_DG-W-2\_facingN.jpg  
-118.1742 34.19343



photo\_3-newly\_dug\_holes\_facingS.jpg  
-118.17411 34.19306



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	53 °F	4-6 MPH	70 %
<b>End of Day</b>	15:15	65 °F	7-9 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

A crew of seven temp (including 1 NI) worked on weed removal in Johnson Field, DG-W-1. Charlie and Daniel were NI supervisors.

**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, WREN, CANG, RTHA, COHA, HOFI, LEGO, SOSP, COYE, ATFL, CAQU, Western toad, MODO, CASJ, ANHU, BEWR, BUSH, CALT, YRWA, WCSP, Cottontail, WEBL, NUWO, ACWO, BUOR, CATH, BLPH, RCPA, HOWR, California ground squirrel, BHGR, BTPI, WIWA, NOMO, ALHU, CORA, CAKI, BTGW, WTSW, Coyote, EUST, VASW

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

**Log Entry**

6:45 Biologist met with the crew. The crew used hand tool to remove non-native species. Non-native plants include: poison hemlock, mustard, horehound, Chenopodium, Melilotus, Erodium spp., and Glebionis sp. One nest was updated BUSH\_12. The crew avoided the surrounding nest buffers. The biologist flagged buffers that the crew was working near. A dead California king snake was found on the side of the access road. After assessment it was determined that another animal attacked it, showing puncture wounds 5 inches from head. Attacker, likely was a dog, but this is still unclear. After lunch the crew continued to work in Johnson Field. The biologist assisted with plant identification questions throughout the day and nest searched.

15:15. Biologist completed report and left site.

**Additional Comments**

A dead California king snake was found on the side of the access road. After assessment it was determined that another animal attacked it, showing puncture wounds 5 inches from head. Attacker, likely was a dog, but this is still unclear.

**Signature**





**Veg\_removal\_during\_facingN.jpg**  
-118.17171 34.19088



**Veg\_removal\_after\_facingE.jpg**  
-118.17169 34.19089



**Veg\_removal\_during\_facingSW.jpg**  
-118.17089 34.1914

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	72 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling exotic grasses, mustard, and sweet clover in DG-4C, natures image crew of 6 planting, digging with an excavator, and laying new 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:**

ACWO, CAQU, HOFI, CASJ, CATO, SPTO, MODO, WEBL, BUSH, ATFL, ANHU, NOMO, RTHA, NUWO, BEWR, Coastal whiptail, Western fence lizard, Western toad, Desert cottontail.

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

**Log Entry**

0645: Had a tailgate meeting with weeding crew about native species in the days work area and nearby bird nests.  
0700: Weeding crew began hand pulling weeds in DG-4C while planting crew planted and layed irrigation nearby in DG-W-1.

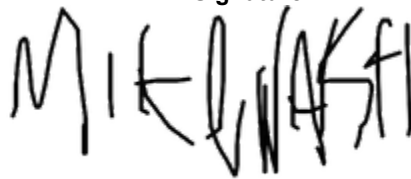
1015: Monitored use of an excavator in DG-W-2.

1450: Crew began wrapping up pulling and digging while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_handpulling\_DG-4C\_facingSE.jpg**  
-118.17476 34.19302



**photo\_2-after\_handpulling\_DG-4C\_facingSE.jpg**  
-118.17479 34.19301



photo\_3-excavator\_use\_DG-W-2\_facingS.jpg  
-118.17401 34.19317

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	86 °F	10-12 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 6 hand pulling mustard, exotic grasses, and poison hemlock 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, WEBL, WREN, NOMO, LEGO, CASJ, BEWR, MODO, GREG, SOSP, RTHA, NUWO, AMCR, ATFL, CATH, SPTO, CAQU, California ground squirrel.

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

**Log Entry**

0645: Gave weep training to a new crew member.

0705: Monitored vegetation clearing in DG-W-1.

1100: An employee reported signs of heat exhaustion/heat stroke. He was immediately put into shade and given water, a foreman gave him a lift to his car, and someone stayed with him until it was determined that he was safe.

1420: Crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-DG-W-1\_before\_weeding\_facingW.jpg**  
-118.17087 34.19168



**photo\_2-DG-W-1\_after\_weeding\_facingW.jpg**  
-118.17105 34.19163





**photo\_3-DG-W-1\_before\_weeding\_facingW.jpg**  
-118.1712 34.19158



**photo\_4-DG-W-1\_after\_weeding\_facingW.jpg**  
-118.17123 34.19157

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

A crew of six (Nature's Image) worked on site preparation activities in the mining pit, DG-W-2 . Dee and Daniel were NI supervisors.

**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, WREN, RTHA, COHA, HOFI, LEGO, SOSP, COYE, ATFL, CAQU, MODO, CASJ, ANHU, BEWR, BUSH, CALT, YRWA, WCSP, Cottontail, WEBL, NUWO, PUF1, ACWO, CATH, BLPH, RCPA, HOWR, California ground squirrel, BHGR, BTPI, WIWA, NOMO, ALHU, CORA, CAKI, Coyote, RCKI, Whiptail lizard, SAVS, CORA

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

**Log Entry**

6:45 Biologist met with the crew. The crew worked on site prep at DG-W-2 in the Mining Pit. Crew used hand tools to dig holes and established potted plants. Daniel used the backhoe auger to drill holes. One nest was updated BUSH\_11, and was inactivated based on previous and current observations. Buffer was removed. The crew avoided the surrounding nest buffer including: ANHU\_5 and BEWR\_1. These nests were also updated. The biologist assisted with plant identification questions throughout the day.  
15:15. Report and left site.

**Additional Comments**

**Signature**





**Site\_prep\_during\_facingSSW.jpg**  
-118.17434 34.19318



**Site\_prep\_during\_facingE.jpg**  
-118.17425 34.19315



SitePrep\_before\_facingS.jpg  
-118.17386 34.19338

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	70 %
<b>End of Day</b>	14:40	79 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 6 pulling poison hemlock and perennial pepperweed, digging, setting up irrigation and planting 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:**

CAQU, CASJ, SPTO, BHGR, SOSP, NOMO, MODO, ACWO, ATFL, BHCO, BEWR, HOFI, CALT, ALHU, CATH, CORA, NUWO, AMCR, Coastal whiptail, Western fence lizard, LEGO, California ground squirrel.

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

**Log Entry**

0645: Monitored planting and vegetation removal in DG-W-2.

1000: Monitored use of an excavator to dig holes in DG-W-2.

1140: Surveyed nearby work areas for nesting birds, found none.

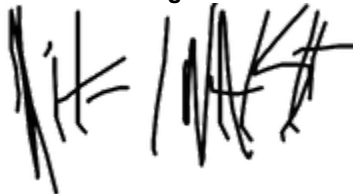
1200: A few crew members began working on irrigation setup.

1430: Crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_veg\_clearing\_DG-W-2\_facingNW.jpg  
-118.17422 34.19317



photo\_2-after\_veg\_clearing\_DG-W-2\_facingNW.jpg  
-118.17413 34.19312



photo\_3-excavator\_use\_DG-W-2\_facingW.jpg  
-118.17408 34.19283



photo\_4-planting\_progress\_DG-W-2\_facingS.jpg  
-118.1742 34.19319

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	4-6 MPH	80 %
<b>End of Day</b>	15:15	73 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

A crew of seven temp (including 1 NI) worked on weed removal in Johnson Field, DG-W-1. Ed and Daniel were NI supervisors.

**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, WREN, RTHA, COHA, HOFI, LEGO, SOSP, COYE, ATFL, CAQU, Western toad, MODO, CASJ, ANHU, BEWR, BUSH, CALT, YRWA, WCSP, Cottontail, WEBL, NUWO, ACWO, BUOR, CATH, BLPH, RCPA, HOWR, California ground squirrel, NOMO, CORA, WIWA, HUVI, BGGN, BARS, PSFL, TUVU, AMCR

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

**Log Entry**

6:45 Biologist met with the crew. The crew used hand tool to remove non-native species. Non-native plants include: poison hemlock, mustard, horehound, Chenopodium, Melilotus, Erodium spp., and Glebionis sp. The crew avoided the surrounding nest buffers: CASJ\_6, BUSH\_12, and BUSH\_7. The biologist reminded trucks driving along east access road to watch for BUSH\_12. After lunch the crew continued to work in Johnson Field. The biologist assisted with plant identification questions throughout the day. Some non-natives were accidentally missed when clearing, so the site foreman did a sweep. Nearby physical nest buffers were established before the end of the day for the next biologist.

15:15 Biologist completed report and left site

**Additional Comments**

Red Griffith truck created dust as it passed the dust meter on east side.

**Signature**







**Weed\_removal\_during\_facingW.jpg**  
-118.17118 34.19189



**Veg\_removal\_during\_facingS.jpg**  
-118.17114 34.19211

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	100 %
End of Day	14:15	59 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Temp weeding crew of 7 plus Ed from planting crew supervising on east side. Two workers from this crew are away during a.m. on irrigation maintenance duty, monitored occasionally.

**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, CASJ, BEWR, SOSP, ALHU, ANHU, Alligator lizard, WCSP, BUOR, WEBL, HOFI, RTHA, Western toad, LEGO, BUSH, California ground squirrel, WETA, BHGR, WIWA, YRWA, HOOR, CALT, SPTO, NUWO, Fence lizard, sagebrush lizard

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

**Log Entry**

0645 Temp crew is hand-pulling in DG-2 New Channel around plantings just south of Johnson Field (two workers on irrigation maintenance nearby and occasionally monitored). Mainly Conium, and Hirschfeldia, with some Centaurea mel., Erodium, Carduus, etc. Natives to avoid besides plantings include Phacelia ram., Matricaria, Calendrinia, Ambrosia acanthicarpa, etc.

0945 Large western toad uncovered by 2-inch line. I relocated it up the slope under an elderberry.

1200 Checked on LEGO\_2 and CALT\_1 nests. LEGO\_2 seems to be gone and I can't locate CALT\_1. If CALT\_1 released for access, it will help reduce the Conium and Lepidium dense growth. LEGO\_2 buffer not as weedy. He nests should be double-checked during morning to be sure inactive.

1300 Full crew is concentrating on tall flowering Conium and Hirschfeldia etc at 34.190819°N 118.171819°W (DG-2 New Channel).

1415 Crew stops pulling.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_hand\_pulling\_DG-2\_New\_Channels\_facingS.jpg  
-118.17202 34.19113



photo\_2\_before\_hand\_pulling\_DG-2\_New\_Channels\_facingSE.jpg  
-118.17186 34.19083



photo\_3\_after\_hand\_pulling\_DG-2\_New\_Channels\_facingS.jpg  
-118.172 34.1911



photo\_4\_after\_hand\_pulling\_DG-2\_New\_Channels\_facingSE.jpg  
-118.17193 34.19086

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	7-9 MPH	95 %
<b>End of Day</b>	14:20	59 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 7 pulling poison hemlock and perennial pepperweed, digging, planting, and taking delivery on new plants 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:**

CALT, SPTO, ACWO, BHGR, LEGO, HOFI, COYE, WTSW, HETH, CASJ, NUWO, MODO, DEJU, RTHA, CATH.

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

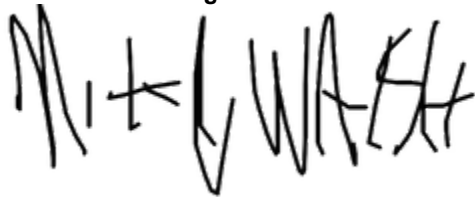
**Log Entry**

0645: Monitored vegetation clearing in DG-W-2. 02 crew members began planting in DG-W-2.  
0830: Weeding crew began working on digging holes and spraying dots in recently cleared areas.  
0900: Monitored use of an excavator in DG-W-2.  
1020: Took delivery on plants from ASF.  
1420: Crew began wrapping up pulling and digging to work on cleanup.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_clearing\_DG-W-2\_facingS.jpg  
-118.17431 34.19316



photo\_2-after\_vegetation\_clearing\_DG-W-2\_facingS.jpg  
-118.1743 34.19312



photo\_3-planting\_progress\_DG-W-2\_facingE.jpg  
-118.17412 34.19348



photo\_4-new\_plants\_DG-W-2\_facingN.jpg  
-118.17407 34.1932

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	11:45	57 °F	4-6 MPH	100 %
<b>End of Day</b>	15:00	57 °F	4-6 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 planting and digging 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:**

CASJ, BHGR, MODO, SPTO, ACWO, CALT, HOFI, BHCO, CAQU, BUSH, NUWO, WTSW, WREN.

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

**Log Entry**

1145: Monitored planting in DG-W-2. Labor finders crew was working on making sure that microlines are pointing into plant basins.

1220: Supervised use of an excavator to dig holes in DG-W-2.

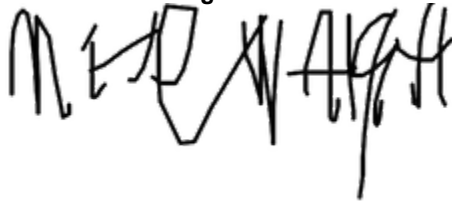
1300: 3 crew members began manually digging holes in DG-W-2.

1450: Crew wrapped up while I inspected the site.

**Additional Comments**

I was not on site until 11:45. Prior to my arrival, crew had been working on microline placement.

Signature







photo\_1-planting\_progress\_DG-W-2\_facingS.jpg  
-118.17412 34.19328



photo\_2-excavator\_use\_DG-W-2\_facingS.jpg  
-118.17417 34.19273



photo\_3-crew\_digging\_manually\_DG-W-2\_facingN.jpg  
-118.1739 34.19316

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	90 %
<b>End of Day</b>	15:00	62 °F	7-9 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of about 12 with Daniel Holmes, foreman. Planting on west side in DG-W-2 Mining Pit.

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

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

**List of species observed while monitoring:**

BUOR, HOFI, SOSP, BUSH, CASJ, UNFL, SPTO, YRWA, CALT, BHGR, HOWR, NUWO, BLPH, Desert cottontail, WAVI, OCWA, NRWS, ACWO, ATFL, CAQU, LEGO, Western fence lizard, Sagebrush lizard, Western toad, Southern Pacific rattlesnake, RTHA.

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

**Log Entry**

0645 Crew is planting in DG-W-2 Mining Pit under wilows and along newly dug channel. Buffer for BEWR\_1 may be too small. An adult came in with food and saw me staring at it while standing next to a flag at the buffer edge (55 ft), and spooked the bird away.

0840 After monitoring ANHU\_5 several times with no activity, I confirmed contents were empty with a pole-mirror. temp crew in route to pull pepperweed. NI excavator is in vicinity drilling some more holes.

1000 I advised Daniel to move the planting crew slightly further away from west side of BEWR\_1. Flagging is only about 30 feet from nests. I directed them to move on far side of mule fat clump, about 50-60 ft. Pair seems to be doing okay as I checked back several times during the day. Rescued a western toad from planting hole, and Mike and I scooted some Fence lizards out from under the excavator. Pointing out native Calif chicory (*Rafinesquia californica*) to nearby temp crew and D.

1400 secondary planting crew heading out.

1400 juvenile Southern Pacific rattlesnake in the valve box along road at 34.191728°N 118.176217°W. I used my snake tongs and small cooler to translocate it about 50 feet away in the brush.

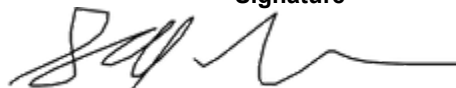
1430 Mike Walsh is leaving so I am monitoring the temp crew. Planting crew is hand-watering today's plantings that aren't connected to irrigation yet.

1450 All crews are now packing up.

**Additional Comments**

N/A

**Signature**





photo\_1-planting\_DG-W-2-MiningPit\_facingN.jpg  
-118.17415 34.19282



photo\_2-excavator-auger\_DG-W-2-MiningPit\_facingN.jpg  
-118.1743 34.19258



photo\_3\_after\_planting\_DG-W-2-MiningPit\_facingNE.jpg  
-118.17429 34.19262

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: April 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	4-6 MPH	70 %
<b>End of Day</b>	14:30	64 °F	10-12 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Labor finders crew of 7 hand pulling perennial pepperweed, mustard, poison hemlock and exotic grasses in DG-W-2, DG-W-2 mining pit outlet and DG-4 sheetflow.

**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, CALT, CATH, SPTO, MODO, CASJ, NUWO, BEWR, ACWO, BUSH, WEBL, ATFL, YEWA, LISP, AMCR, SOSF, HOFI, California ground squirrel, OCWA, CAQU, Desert cottontail, NRWS, HETH, RTHA, Southern pacific rattlesnake.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4 sheetflow and DG-W-2.

0655: Monitored vegetation clearing in DG-4 sheetflow and DG-W-2, progressing north up the mining pit outlet.

0725: Found a mourning dove nest in DG-4 sheetflow. Area was flagged off and the crew was advised to avoid.

0830: Yellow warbler observed in DG-4 sheetflow.

0840: Crew was moved to DG-W-2 to pull weeds in the footprint of a newly closed bird nest buffer. I remained near the yellow warbler observation for 45 minutes to monitor, found no evidence of nesting.

1400: Found a southern pacific rattlesnake inside an irrigation valve box. Individual was safely relocated with snake tongs by another monitor, Scott Werner.

1430: Crew wrapped up vegetation clearing for the day.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_clearing\_DG-4-sheetflow\_facingSE.jpg  
-118.17597 34.19138



photo\_2-after\_vegetation\_clearing\_DG-4-sheetflow\_facingSE.jpg  
-118.17595 34.19134



photo\_3-before\_vegetation\_clearing\_DG-W-2\_facingE.jpg  
-118.17447 34.1929



photo\_4-after\_vegetation\_clearing\_DG-W-2\_facingE.jpg  
-118.17444 34.19296



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	4-6 MPH	20 %
<b>End of Day</b>	14:40	64 °F	7-9 MPH	55 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 planting, digging, and laying irrigation in DG-W-2; also, labor finders crew of 7 hand pulling mustard and poison hemlock in DG-4, 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:**

BEWR, ACWO, NUWO, BHGR, CALT, RCPA, CATH, SPTO, ATFL, CAQU, WAVI, WIWA, BLPH, OATI, AMCR, HOFI, PUF1, MODO, CORA, PEFA, EUST, CASJ, OCWA, LEGO, SOSP, WTSW, BGGN, BUSH, NRWS, YRWA, ANHU, Western fence lizard, Common side blotched lizard.

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

**Log Entry**

0645: Monitored irrigation maintenance in DG-W-2. Wilson's warbler observed briefly in work area.

0742: Crew began planting and digging in DG-W-2.

0800: Switched to monitoring the weeding crew. They were pulling perennial pepperweed in DG-W-2.

1045: Crew began digging a trench to widen out the low flow channel.

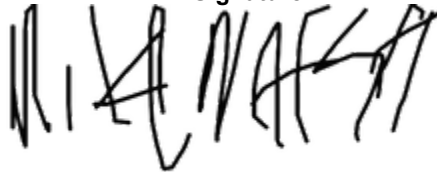
1130: Monitored vegetation clearing in DG-4.

1425: Crew began wrapping up pulling to work on cleanup.

**Additional Comments**

Raining on and off near end of day. Wilson's warbler was observed briefly on site at the start of the day in an oak tree. No evidence of nesting behavior, appeared to be foraging.

Signature





**photo\_1-planting\_progression\_facingW.jpg**  
-118.17418 34.19268



**photo\_2-planting\_progression\_facingN.jpg**  
-118.17427 34.19266



**photo\_3-before\_pulling\_DG-4\_facingSE.jpg**  
-118.17446 34.19145



**photo\_4-after\_pulling\_DG-4\_facingSE.jpg**  
-118.17443 34.19147

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: April 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	4-6 MPH	65 %
<b>End of Day</b>	15:15	65 °F	0-3 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Seven temp agency workers clearing non-native vegetation using hand pulling and hand held tools in DG-W-2 (Mining Pit). After 8am to the end of day biologist switched to monitor Site Prep crew in same location. Daniel- NI foremen.

**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:**

RTHA, NUWO, MODO, SOSP, ACWO, RCPA, BHGR, YEWA, BUSH, WIWA, WAVI, PUF1, BEWR, CALT, COHA, CASJ, SPTO, HOFI, ATFL, PEFA, BARS, RSHA, CHSP, LEGO, BTYW, PSFL, YRWA, OCWA, BLPH, Baby rodent (possibly woodrat), Coyote, Tree squirrel, HOWR, BGGN, CORA, ROPI, BUOR

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

**Log Entry**

0645 Biologist arrived onsite and met with crew. Crew worked in DG-W-2 Mining Pit hand pulling non-natives (hemlock, mustard, and pepperweed) all work day. They also were instructed to remove wood piles in preparation for planting.

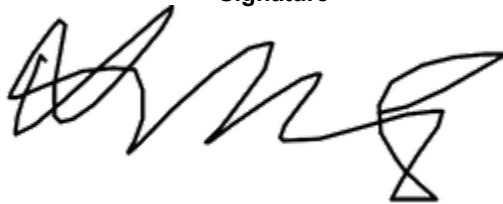
0800 Biologist monitored the Site Prep crew in the same location as the Vegetation Remocal crew for the duration of the day. A couple baby rodents, probably more, were displaced during this. Throughout the day, the biologist was searching for bird nests throughout the day. A Yellow Warbler was observed at the parking lot near the ball court. The male warbler singing and foraging during the observation period. No nesting behavior was observed.

1100: The biologist conducted a precon nesting bird survey of DG-4 Sheetflow area before the crew was scheduled to work here. One new nest, BEWR\_3 was discovered and added to Collector here. The biologist reminded the crew picked up their trash and the biologist completed report

1515 Left the site

**Additional Comments**

**Signature**





photo\_1-20210427-162444.jpg  
-118.17416 34.19264



Planting\_during\_facingW.jpg  
-118.17424 34.19285



Planting\_crew\_during\_facingNW.jpg  
-118.17433 34.19283

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: April 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	81 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image planting crew of 7 core workers w/ Daniel Holmes, foreman, plus 5 extras.

**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, CALT, ACWO, CATH, CAQU, YEWA, OCWA, WIWA, ATFL, CASJ, BHGR, SOSP, HOFI, BUSH, BEWR, YRWA, WETA, RCPA, NRWS, BUOR, WREN, COHA, TUVU, California ground squirrel, HOWR, Desert cottontail, LEGO, West toad, Coastal whiptail, Western fence lizard, Sagebrush lizard

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

**Log Entry**

0645 Planting crew is in DG-W-2 Mining Pit and DG-W-2 Mining Pit Outlet. Tom showed me location of disturbed woodrat nest from yesterday - no young seen.

0710 Daniel starts excavator up, digging more holes in channel bank. YEWA male seen at N end of Mining Pit, 34.193312°N 118.173963°W.

0940 New SPTO nest along channel in hemlock under a log. Guys on planting crew were approaching the 50 ft mark, steered them away, having Tom and Evan move staged pots out of holes and out of 50 ft buffer even though Daniel was able to dig some new holes within 50 feet of nest before its discovery.

1030 Daniel continues digging holes in channel while others skip buffer to plant in drainage further south.

1130 Mike and I look at DG-4 Sheetflow etc to guide more weeding and planting. MODO, BEWR, and ACWO nests nearby. New BUSH\_20 nest recorded. ACWO\_06 nest location updated. Still 2 Western toads in valve box near failed BUSH\_05 but no rattlesnake (from Monday). 2 Coastal whiptail in DG-4 Sheetflow.

230 Daniel done with excavation. Other workers are just watering the plants and sitting up and setting up lines so I'm leaving.

**Additional Comments**

N/A

**Signature**





photo\_1-excavator-auger\_DG-W-2\_Mining\_Pit\_Outlet\_facing SW.jpg  
-118.17462 34.19225



photo\_2\_planting\_DG-W-2\_Mining\_Pit\_Outlet\_facingN.jpg  
-118.1747 34.19195





photo\_3\_excavator\_DG-W-2\_Mining\_Pit\_Outlet\_facingE.jpg  
-118.17587 34.19159



photo\_4\_planting\_irrig\_DG-W-2\_Mining\_Pit\_Outlet\_facingS.jpg  
-118.17471 34.19265

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	4-6 MPH	0 %
<b>End of Day</b>	14:50	81 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor finders crew of 6 hand pulling perennial pepperweed and mustard in DG-4 just East of the mining pit outlet 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, CASJ, WREN, BUSH, SPTO, LEGO, HOFI, CORA, WCSP, ANHU, NRWS, ATFL, CATH, WIWA, CALT, COYE, BEWR, BHGR, RSHA, Desert cottontail, Western fence lizard, California ground squirrel.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4.

0655: Cleared work area and monitored vegetation clearing.

0813: Observed Wilson's warbler foraging in DG-4B. Showed no evidence of nesting behavior.

1200: Moved crew to DG-4 sheetflow to work on weed removal. With them nearby, I used pinflags to mark the edge of the phase 2 planting areas and the new channels which will soon be dug.

1440: Crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-veg\_clearing\_before\_DG-4\_facingW.jpg  
-118.17438 34.19139



photo\_2-veg\_clearing\_after\_DG-4\_facingW.jpg  
-118.17441 34.19137



photo\_3-veg\_clearing\_before\_DG-4\_facingS.jpg  
-118.17433 34.19145



photo\_4-veg\_clearing\_after\_DG-4\_facingS.jpg  
-118.17433 34.19142

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	0 %
<b>End of Day</b>	15:10	91 °F	7-9 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Labor finders crew of 6 hand pulling poison hemlock and perennial pepperweed in 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:**

CALT, BEWR, SOSP, SPTO, MODO, COYE, BHGR, CASJ, ATFL, NRWS, HOFI, CAQU, BUSH, LEGO, HOWR, PISI, CORA, ALHU, Coastal whiptail.

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

**Log Entry**

0645: Had a tailgate meeting with the crew to reiterate current nest buffers in the work area.

0655: Monitored vegetation clearing in DG-4 sheetflow.

0845: Crew started tarping up the newly pulled plant material in DG-4 sheetflow to make room for planting.

1000: Found a bushtit nest in DG-4 sheetflow (BUSH 22). Area was flagged off and crew was advised to avoid.

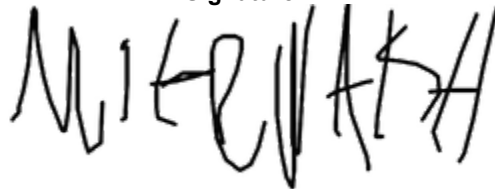
1030: Crew continued hand pulling vegetation in DG-4 sheetflow, I monitored this closely due to the presence of multiple birds' nests nearby. No behavioral changes were observed.

1445: Crew began working on cleanup for the day while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-before\_pulling\_DG-4\_sheetflow\_facingS.jpg  
-118.17599 34.19136



photo\_2-after\_pulling\_DG-4\_sheetflow\_facingS.jpg  
-118.176 34.19132



photo\_3-before\_pulling\_DG-4\_sheetflow\_facingN.jpg  
-118.17595 34.19142



photo\_4-after\_pulling\_DG-4\_sheetflow\_facingN.jpg  
-118.17603 34.19133

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: April 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (13) planting and installing irrigation in DG-W-2 mining pit outlet.

**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, BUSH, CASJ, HOFI, CALT, ATFL, ANHU, ACWO, BEWR, SPTO, CAQU, WCSP, SOSP, LEGO, NUWO, RTHA

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

**Log Entry**

0645 Met with crew and monitor for weeding crew. Both crews will be working nearby as weeding crew clears area to be planted next week. Observed planting in DG-W-2 mining pit outlet and irrigation install in mining pit and outlet.

0800 Took photo points around site.

1015 Observed female yellow warbler in willows and mule fat along west edge of staging area. Startled out of mule fat by frisbee from nearby disc golf course, flew east.

1230 Monitored use of mini-excavator to fix part of channel in DG-W-2 where grade was too high/channel too narrow. Per request by ECORP.

1330 Observed while crew planted and installed irrigation emitters in SPTO-1 buffer. Did not seem disturbed. Male calling nearby but not distressed.

1345 Continued monitoring channel repair by mini-excavator

1445 Will have crew use hand tools to refine tomorrow.

**Additional Comments**

N/A

**Signature**







**Prepping to plant\_DG-W-2\_facing W.jpg**  
-118.17531 34.19155



**Dirt moving to fix channel\_DG-W-2\_facing W.jpg**  
-118.17399 34.19296



**Drainage in progress.jpg**  
-118.17411 34.19312

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: April 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	1 %
<b>End of Day</b>	14:40	93 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 planting, digging, clearing vegetation, and laying irrigation in DG-W-2 (mining pit and mining pit outlet), 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:**

CAQU, CALT, CASJ, COYE, SPTO, BHGR, CATH, LEGO, HOFI, WETA, ACWO, CORA, BGGN, OATI, YRWA, RTHA, COHA, ALHU, SOSPO, ANHU, ATFL, Western fence lizard, Desert cottontail.

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

**Log Entry**

0645: Monitored planting and irrigation setup in DG-W-2 (mining pit outlet) and DG-4 sheetflow.

0820: Supervised use of an excavator to widen the channel in DG-W-2.

1000: Crew began moving some snags out of the way in DG-W-2 and laying irrigation.

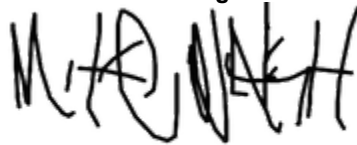
1130: Monitored vegetation clearing in DG-4 sheetflow.

1300: Monitored planting and digging in DG-W-2. 1430: crew wrapped up planting and digging to focus on cleanup while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-after\_channel\_widening\_DG-W-2\_facingN.jpg  
-118.1741 34.19294



photo\_2-planting\_progress\_DG-W-2\_facingN.jpg  
-118.17394 34.19331



photo\_3-planting\_progress\_DG-4-sheetflow\_facingS.jpg  
-118.17598 34.19136

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: April 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	5 %
<b>End of Day</b>	13:30	93 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image and Labor Finders crew (7) 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:**

BEWR, CCGO, HOFI, MODO, BUSH, ACWO, NUWO, CALT, LEGO, WETA, Desert cottontail, Western fence lizard, RTHA, COHA, WIWA, CASJ, ALHU, NRWS

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

**Log Entry**

0645 Gave WEEP training to new temp worker (Gio). Rest of the crew got started pulling in DG-4 and DG-4 sheetflow under M. Walsh's supervision.

0710 Joined crew. Observed hand-pulling young poison hemlock and pepperweed.

0900 Moved crew to small planted area of DG-4 at south end of restoration staging area. Instructed crew to focus on flowering mustards.

1000 Checked on completed drainage in mining pit. Crew members were evening soil with hand tools.

1030 Crew continued to pull mustards in DG-4, avoiding native annuals. Finished tarping up vegetation at

1315 Crew finished day moving large dead willow limbs from mining pit to block social trails.

**Additional Comments**

N/A

**Signature**





**Weeding DG-4\_facing S.jpg**  
-118.17617 34.19126



**Pulling mustards\_before\_facing SW.jpg**  
-118.17526 34.19189



**After\_mustards pulled.jpg**  
-118.17527 34.19211



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	80 %
<b>End of Day</b>	15:00	79 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image planting crew of 6 with foreman Daniel Holmes (plus several additional workers from other office) planting on 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:**

BHGR, BEWR, CATH, MODO, SOSP, CALT, SPTO, HOOR, AMRO, WIWA, CASJ, CAQU, LEGO, HOFI, Coastal whiptail, Fence lizard, Sagebrush lizard, Desert cottontail, ACWO, NUWO, ATFL, several Western toads in the valve boxes and watering area at N end of Mining Pit.

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

**Log Entry**

0645 Working with planting crew in DG-W-2 Mining Pit.

0708 BEWR\_1 still active; brief food delivery. Nestlings not audible at 60 feet away. Secondary planting crew working at S end of new channel by temp crew; Mike Walsh able to keep an eye on them. New MODO\_05 nest along channel. CALT and SPTO pairs followed while foraging but none carrying food, no leads on heir nests.

0900 AMRO building nest at softball field (outside of mit area).

1030 Released buffer for inactive CALT\_2 and cleared a small hemlock stand under the willow canopy nearby for more planting (unsure if they need hemlock area). SOSP and CALT in this location but no nests currently suspected.

1040 New BUSH\_23 nest under construction in planted area to the south of CALT\_2. A lot of coastal whiptail activity in Mining Pit today.

1130 Daniel is on excavator digging some new holes in channel, amongst recent plantings to fit in more plants.

1225 Excavator drives slowly through SPTO\_1 nest buffer (50ft). No SPTO activity seen, but too risky to take a close look at the nest, and several CASJ in the area.

1330 Back at N end of Mining Pit, monitoring some irrigation setup and planting around old CALT\_2 and active CASJ\_10. Upon Mike's recommendation I am allowing 1 worker inside CASJ\_10 buffer to string some irrigation lines while I monitor incubating CASJ.

1500 Done.

**Additional Comments**

N/A

Signature





photo\_1-planting\_DG-W-2\_MiningPit\_facingN.jpg  
-118.17407 34.19304



photo\_2\_planting\_DG-W-2\_MiningPit\_facingNW.jpg  
-118.17392 34.19353



photo\_3\_planting\_DG-W-2\_MiningPit\_facingNE.jpg  
-118.17392 34.19353

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	30 %
<b>End of Day</b>	14:50	79 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 8 hand pulling perennial pepperweed and mustard in DG-4, DG-4 sheet flow.

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

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

**List of species observed while monitoring:**

BHGR, COYE, SOSP, CALT, SPTO, RCPA, CASJ, BGGN, BUSH, LEGO, HOFI, NRWS, WEWP, AMCR, ANHU, BGGN, coyote, desert cottontail.

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

**Log Entry**

0645: Performed a nesting bird survey. Determined that BUSH\_16 had failed.

0700: Monitored vegetation clearing in DG-4.

1000: Moved a few crew members into DG-4 sheet flow after determining that MODO\_3 had failed.

0245: Crew began working on cleanup while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-DG-4\_before\_pulling\_facingE.jpg**  
-118.17619 34.19109



**photo\_2-DG-4\_after\_pulling\_facingE.jpg**  
-118.1761 34.19112



photo\_3-DG-4\_sheetflow\_before\_pulling\_facingN.jpg  
-118.17568 34.19127



photo\_4-DG-4\_sheetflow\_after\_pulling\_facingN.jpg  
-118.17562 34.19133

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	13:00	83 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Planting crew, Natures Image crew of 6 w/Daniel Holmes, foreman, 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:**

Western toad, BHGR, coyote, SOSP, RCPA, WETA, HOFI, CALT, CASJ, OATI, Botta pocket gopher, WAVI, COYE, BUSH, SWTH, CAQU, NUWO, ACWO, WREN, RTHA, TUVU, BUOR, LEGO, BLPH, California ground squirrel, Coastal whiptail, CATH, Fence lizard, Sagebrush lizard, Desert cottontail

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

**Log Entry**

0645 Quick check of plantings completed yesterday at southern end of DG-W-2 (Mining Pit Outlet). The extra crew that has helped out during the past few weeks is all done and not here today. On the way northward along DG-W-2 channel, quick stop at SPTO\_1 nest. No activity during about 5 minutes, precise nest location still undetermined. The buffer isn't restricting any current work, so rather than disturb habitat and nest, we can wait until they start food deliveries (if still active) to determine a better position.

0710 With main planting crew at north end of DG-W-2 (Mining Pit Outlet), allowing one worker into CASJ\_10 buffer to plant willows. CASJ sitting tight on nest. Male nearby, neither jay seems stressed at our presence around the nest buffer.

0845 New MODO\_03 nest may have been abandoned. They likely started building over the weekend but yesterday with the foot traffic the doves may have decided against continuing at that location.

0930 Several workers are planting further north in the DG-W-2 channel in the additional holes dug yesterday. Planting proceeds at N end of Mining Pit and midway down channel uneventfully.

1300 I left early for an appointment while Mike keeps an eye on the work at N end near CASJ nest.

**Additional Comments**

N/A

**Signature**





photo\_1-planting\_allowed\_in\_CASJ10\_buffer\_DG-W-2\_facingE.jpg  
-118.17386 34.19367



photo\_2\_planting\_DG-W-2\_MiningPit\_facingS.jpg  
-118.17387 34.19362



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:05	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor finders crew of 6 hand pulling perennial pepperweed and mustard in DG-4A and DG-4 about 150 feet south of the parking lot on the west side; natures image crew of 6 planting, setting up irrigation, and planting in DG-W-2.

**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:**

CAQU, ACWO, HOFI, ANHU, SPTO, WAVI, YEWA, OCWA, WETA, BCHU, BUSH, ATFL, CASJ, PUF1, CALT, BEWR, YRWA, NRWS, BHGR, RTHA, San Diego alligator lizard, common side blotched lizard, LEGO, COYE, BGGN, western fence lizard, NUWO, California ground squirrel.

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

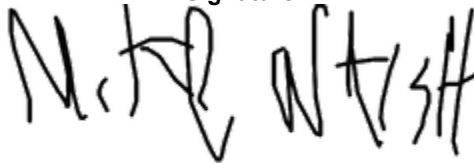
**Log Entry**

0645: performed a nesting bird survey in DG-4A. Found a spotted towhee nest (SPTO\_2) on the ground. Area was flagged off and crew was advised to avoid. 0700: monitored vegetation clearing in DG-4A. 0845: observed yellow warbler. 1030: crew moved across the trail into DG-4. 1130: scouted for new weed removal targets. 1300: labor finders crew began working on cleanup while I monitored digging, irrigation setup and planting in DG-W-2.

**Additional Comments**

A yellow warbler was observed in the willow and eucalyptus trees foraging near the parking lot/dumpsters for about an hour and closely monitored. No evidence of nesting behavior, no territorial calls heard.

Signature





photo\_1-before\_vegetation\_clearing\_DG-4A\_facingN.jpg  
-118.17564 34.1916



photo\_2-after\_vegetation\_clearing\_DG-4A\_facingN.jpg  
-118.17568 34.19154



photo\_3-before\_vegetation\_clearing\_DG-4A\_facingE.jpg  
-118.17536 34.19178



photo\_4-after\_vegetation\_clearing\_DG-4A\_facingE.jpg  
-118.1753 34.19173

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image planting crew of 6 incl 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:**

California ground squirrel, CASJ, CALT, CAQU, CATH, side-blotched lizard, BUSH, RCPA, BUOR, SOSP, CAVI, HOFI, CORA, BHGR, BEWR, BGGN, EUST, COYE, HOWR, OATI, WREN, COHA, AMCR, SPTO, WIWA, MODO

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

**Log Entry**

0645 I accompanied 2 workers planting in/near CASJ\_10 nest buffer in DG-W-2 Mining Pit. The jays are tolerant of nearby light activity. Desert cottontail munching on young Xanthium plants. BEWR\_1 still delivering food. MODO\_3 (BLDG) has had no activity since early Monday morning, They seem to have abandoned this site and moved on.

0915 Heading over to two more planting crew workers at DG-4 Sheetflow. I'm allowing them to run some irrigation line within the buffer for ACWO\_6, BEWR\_3. ACWO don't seem to mind visitors at all, and BEWR are still building (possibly incubation) in a snag cavity facing away from current work.

1000 Three more workers arrive. There is a likely SPTO nest (INC) in the pepperweed/hemlock undergrowth of this area, based on suspicious female SPTO behaviors. Photo 2 shows part of this area.

1230 Several workers are hand-broadcasting a native seed mix in DG-W-2 Mining Pit.

1345 Guys are done digging. I have updated SPTO\_1 to failed nest and removed the buffers.

**Additional Comments**

N/A

**Signature**





photo\_1-planting\_DG-W-2\_facingN.jpg  
-118.17378 34.19353



photo\_2-planting\_near\_ACWO\_6\_etc\_DG-4\_Sheetflow\_facingE.jpg  
-118.17593 34.19117



photo\_3\_planting\_DG-4\_Sheetflow\_facingN.jpg  
-118.1759 34.19117



photo\_4\_seed\_broadcasting\_DG-W-2\_MiningPit\_facingE.jpg  
-118.17417 34.19318

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	11:10	77 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling perennial pepperweed and poison hemlock in DG-4A on the west side of the twin boulders area, and pulling mustard in DG-4B near the parking lot.

**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, BEWR, SOSP, HOFI, BHGR, CALT, WAVI, MODO, LEGO, CASJ, CAQU, BUSH, Western fence lizard, ALHU, COYE, NRWS, ACWO, EUST, Coastal whiptail.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4A.

0700: Cleared crew to work, monitored vegetation clearing in DG-4A.

0900: Discovered a California quail nest in DG-4A. Area was flagged off and crew was advised to avoid. Nest is listed as CAQU\_2 in collector. Crew was moved well out of sight and earshot to DG-4B to pull mustard.

1100: Crew wrapped up pulling to focus on cleanup while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pulling\_DG-4A\_facingW.jpg**  
-118.17528 34.19073



**photo\_2-after\_pulling\_DG-4A\_facingW.jpg**  
-118.17512 34.19085





photo\_3-before\_pulling\_DG-4A\_facingW.jpg  
-118.17527 34.19088



photo\_4-after\_pulling\_DG-4A\_facingW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	79 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Labor Finders crew of 7 hand pulling perennial pepperweed in DG-4A in the twin boulder field.

**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:**

BHGR, SOSP, BEWR, SPTO, CAQU, HOFI, LEGO, KILL, COYE, NRWS, CALT, CASJ, PHAI, BUSH, California ground squirrel, desert cottontail, COHA, PUF1, ACWO, BGGN, CAKI, ATFL, ANHU, CORA, COHU, YEWA, ROPI

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4A and DG-4 near the twin boulders field.

0655: Cleared crew to begin work, monitored vegetation clearing.

1130: 2 crew members began working on tarping up the day's vegetation.

1230: Surveyed possible future work areas for nesting birds. Observed yellow warbler.

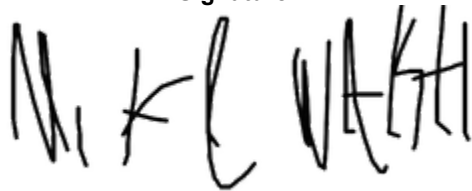
1310: Resumed monitoring of vegetation clearing in DG-4A.

1450: Crew began wrapping up while I inspected the site.

**Additional Comments**

Observed a yellow warbler foraging in DG-W-2. No evidence of nesting behavior or territorial calling heard.

**Signature**





photo\_1-before\_weeding\_DG-4A\_facingS.jpg  
-118.17503 34.191



photo\_2-after\_weeding\_DG-4A\_facingS.jpg  
-118.17501 34.191



**photo\_3-before\_weeding\_DG-4A\_facingS.jpg**  
-118.17507 34.19059



**photo\_4-after\_weeding\_DG-4A\_facingS.jpg**  
-118.17501 34.19064

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: May 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	100 %
<b>End of Day</b>	11:00	61 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (6) finalizing phase 2 planting stage on west side.

**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:**

BHGR, BEWR, SPTO, CALT, ACWO, PHAI, CAQU, CORA, NRWS, ALHU, BUSH, coastal whiptail, desert cottontail, YEWA, CASJ

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

**Log Entry**

0645 Met with crew. Planting and seeding were completed the previous day, so crew will spend today cleaning up the site and building protective cages. Picking up any trash, gathering empty plant containers and carrying crates, fixing basins, etc. Monitor is on site due to high number of active nests nearby.

1000 Observed YEWA flying from willows in mining pit to oak on opposite side of the trail.

1045 Another YEWA in oaks directly adjacent to staging area. Foraging, no nesting behavior or calls heard.

1100 Crew breaks for lunch and plan to spend rest of day building/placing protective cages.

**Additional Comments**

N/A

**Signature**





photo\_1-20210506-174118.jpg  
-118.17516 34.19246

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	4-6 MPH	100 %
<b>End of Day</b>	14:45	73 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 5 assembling rabbit fencing in DG-W-1; labor finders crew of 6 hand pulling perennial pepperweed in DG-4A on the south west side of the site, in the large open field south of the 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:**

BEWR, CALT, SPTO, BHGR, HOFI, NUWO, COYE, MODO, HOFI, AMCR, CASJ, BUSH, CATH, NRWS, ATFL, PUF1, CAKI, ACWO, LEGO, WETA, RSHA, YRWA, WAVI, COHU, Coastal whiptail, Western fence lizard, Common side blotched lizard.

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

**Log Entry**

0645: Had a tailgate meeting with the crew to reiterate general safety measures.

0700: Performed a nesting bird survey in DG-4A while the Natures Image crew began working on making rabbit fencing.

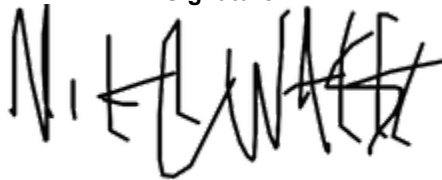
0715: Cleared crew to work, monitored vegetation clearing in DG-4A.

0230: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_clearing\_DG-4A\_facingS.jpg  
-118.17541 34.19033



photo\_2-after\_vegetation\_clearing\_DG-4A\_facingS.jpg  
-118.17541 34.19033





photo\_3-before\_vegetation\_clearing\_DG-4A\_facingN.jpg  
-118.1753 34.19036



photo\_4-after\_vegetation\_clearing\_DG-4A\_facingN.jpg  
-118.17529 34.19036

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	64 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling perennial pepperweed and poison hemlock in DG-2, 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:**

CALT, CASJ, WIWA, SPTO, BUSH, CATH, OATI, BHGR, Desert cottontail, ACWO, California ground squirrel, BEWR, SOSR, CAKI, WEBL, HOFI, LEGO, BLPH.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-2 and DG-2 new channels.

0700: Cleared crew to work, monitored vegetation clearing in the aforementioned areas. Closely monitored BUSH-14, as the crew was working within the buffer of the nest. No activity was observed at the nest for the duration of the day, however it remains fully intact or close to.

1000: Observed Wilson's Warbler foraging in DG-2 near the second island from the north. No nesting behavior or territorial calls observed/heard.

1130: Crew moved near CALT-1, this activity was closely observed. The pair was foraging and courting each other, no behavioral changes noted upon crew approach.

1455: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_facingE.jpg**  
-118.1718 34.19077



**photo\_2-after\_weeding\_facingE.jpg**  
-118.17174 34.19073



**photo\_3-before\_weeding\_facingE.jpg**  
-118.17187 34.19069



**photo\_4-after\_weeding\_facingE.jpg**  
-118.1719 34.19067

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	14:15	75 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling perennial pepperweed and poison hemlock in DG-2, 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:**

CASJ, SOSP, COYE, SPTO, CALT, NOMO, BEWR, CATH, OATI, WAVI, BUSH, PSFL, CAQU, MODO, LEGO, AMCR, ALHU, ATFL, NRWS, NUWO, Southern pacific rattlesnake, Desert cottontail, Western fence lizard.

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

**Log Entry**

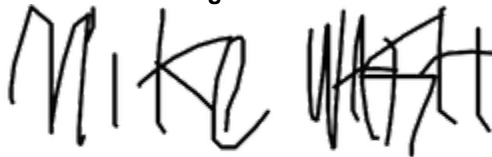
0645: Performed a nesting bird survey in DG-2, DG-2 new channels.

0655: Cleared crew to work, monitored vegetation clearing in DG-2 and DG-2 new channels. Closely monitored nest BUSH\_14 and CALT\_1, as the crew was working near these buffers. Once again, no activity noted at the bushtit nest, and the pair of towhees were foraging together with no notable behavior changes.

1400: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

Signature





photo\_1-before\_weeding\_facingSE.jpg  
-118.17156 34.19059



photo\_2-after\_weeding\_facingSE.jpg  
-118.17156 34.19062



photo\_3-before\_weeding\_facingW.jpg  
-118.17162 34.19039



photo\_4-after\_weeding\_facingW.jpg  
-118.17164 34.19033

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	78 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

About 16 workers (temp crew plus 2 regular Natures Image crews) hand-pulling on east side, south of Johnson Field. Daniel Holmes seems to be running around elsewhere doing maintenance except to ferry vegetation tarps to dumpster on 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:**

CASJ, NRWS, COYE, SOSP, SPTO, CATH, CALT, CAQU, WAVI, WIWA, BUOR, WREN, SWTH, RCPA, Fence lizard, California ground squirrel, EUST, HUVI, BHGR, BUSH, LEGO, ATFL, WEWP, BEWR, NUWO, ALHU, ANHU, Western toad, Desert cottontail

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

**Log Entry**

0645 All workers start hand-pulling in DG-2-WOUS, DG-2 New Channels, DG-2, working southward from Johnson Field and focusing on planted sections that are getting severely overgrown with perennial pepperweed, hemlock, and mustards.

0730 Translocated large western toad from muddy drip emitter to mule fat to avoid getting stepped on.

0800 I've confirmed that CALT\_1 is not active (no nest anywhere, as I suspected 2 weeks ago) and am releasing the buffer. SOSP, COYE, CALT, SPTO singing males active in area, no COYE or SOSP pairs observed, so immediate area likely free of nests. An unknown Rorippa species (Brassicaceae) could be native and is being left standing.

0930 CALT seems slightly agitated at crew on western side of work area but I'm not seeing any nearby nests and am letting them work.

1330 That CALT's nest possibly found but empty. Nest in mule fat near where secondary NI crew was working.

Entered into Collector. This may be CALT\_1 pair's new nest but it's empty, CASJ may have gotten it already. Could also be newer CASJ nest, needs followup. Crew moved to other side of willow to aim for 50 foot buffer.

1430 Secondary crew leaves.

1500 Main crew is done but I am still collecting notes, etc until 1515.

**Additional Comments**

N/A

**Signature**







photo\_1\_handpulling\_DG-2\_New\_Channel\_WOUS\_facingE.jpg  
-118.17198 34.19024



photo\_2\_handpulling\_DG-2\_New\_Channel\_WOUS\_facingW.jpg  
-118.17161 34.19024



photo\_3\_after\_handpulling\_DG-2\_New\_Channel\_WOUS\_facingE.jpg  
-118.17196 34.19022



photo\_4\_after\_handpulling\_DG-2\_New\_Channel\_WOUS\_facingW.jpg  
-118.17157 34.19024

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	73 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling perennial pepperweed in DG-2, 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:**

CAKI, NÔMO, LEGO, SPTO, CASJ, ACWO, MODO, Desert Cottontail, CATH, CALT, SOSP, ANHU, RCPA, BUSH, ALHU, WTSW, CORA, ATFL, NRWS, HOFI, SAPH, RTHA, WEBL.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-2, DG-2 new channels, DG-2 WOUS.

0700: Cleared crew to work, monitored vegetation clearing in DG-2, DF-2 new channels progressing south.

1400: Took photo points of restoration areas.

1445: Crew began wrapping up pulling while I finished up taking photos.

**Additional Comments**

N/A

Signature





photo\_1-before\_weeding\_DG-2\_facingNW.jpg  
-118.17205 34.19037



photo\_2-after\_weeding\_DG-2\_facingNorthWest.jpg  
-118.17212 34.1904



**photo\_3-before\_weeding\_DG-2\_facingNorth.jpg**  
-118.17234 34.19003



**photo\_4-after\_weeding\_DG-2\_facingNorth.jpg**  
-118.17226 34.19004

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	77 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed, mustard and poison hemlock in DG-2, 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:**

SPTO, CASJ, CALT, SOSP, BEWR, LEGO, CAKI, HOFI, ACWO, WTSW, NOMO, BUSH, WEWP, NRWS, TUVU, CATH, Southern pacific rattlesnake, MALL, OSFL, Coyote.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-2, DG-2 new channels.

0700: Monitored vegetation clearing in the area mentioned above. Work was focused on the planted area just west of the channel.

1157: Found a Southern pacific rattlesnake, advised crew on location so they would stay clear of it.

1450: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_weeding\_DG-2\_facingSouth.jpg  
-118.17228 34.19025



photo\_2-after\_weeding\_DG-2\_facingSouth.jpg  
-118.17227 34.19028



photo\_3-before\_weeding\_DG-2\_facingSouthWest.jpg  
-118.17235 34.1899



photo\_4-after\_weeding\_DG-2\_facingSouthWest.jpg  
-118.17231 34.18993



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: May 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	0-3 MPH	100 %
<b>End of Day</b>	14:15	68 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (11) hand-weeding in DG-2 WOUSI

**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, SOSP, LEGO, ACWO, Desert cottontail, SPTO, BEWR, CAQU, CASJ, BHGB, RTHA, BLPH, CALT, WIWA, MODO, Gopher, PHAI, BUSH, NRWS, RSHA, AMKE, California ground squirrel, NUWO, ALHU

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

**Log Entry**

0645 Met with crew in DG-2 WOUS, continuing in same area ss last week. Moving south. Weeds are primarily poison hemlock, perennial pepperweed, and mustard (all flowering).

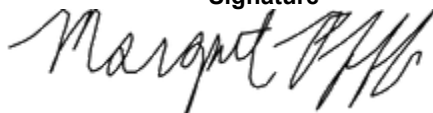
0930 Reported two breaks in ESA fencing on either side of the basin. One just north of Johnson Field, the other in DG-7.

0940 Tried to recheck LEGO-2 but saw a family of CAQU moving through the buffer towards ESA fence and did not want to disturb. Will check later. Monitor searched for nests and nesting behavior throughout the day.

**Additional Comments**

N/A

**Signature**





**Vegetation Removal-20210517-135944.jpg**  
-118.17222 34.19009



**Vegetation Removal-20210517-140002.jpg**  
-118.17224 34.1901



**Vegetation Removal-20210517-140014.jpg**  
-118.17225 34.19012



**Vegetation Removal-20210517-210415.jpg**  
-118.17236 34.19002

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: May 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	73 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crews (17) hand-weeding in DG-W-1 and DG-2 WOUS

**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, CASJ, CATH, CALT, SPTO, BEWR, LEGO, SOSP, CAQU, MODO, Desert Cottontail, NUWO, BLPH, CAKI, WEWP, RTHA, NRWS, WEBL, Coastal Whiptail, YEWA, RWBU, BUOR, OATI, BUSH, ATFL, Bobcat

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

**Log Entry**

0645 Two crews on site today. One led by Daniel/Didier and another led by Raul. Met with foreman to discuss areas to be weeded today. Raul's crew to start in Johnson Field, focusing on weeds already flowering/seeding. These are mustards, wild radish, filaree, dog fennel, Lepidium didymum, and chenopodium. Other crew will begin by tarping up remaining vegetation piles from yesterday and will continue to pull poison hemlock, pepperweed, and mustards in DG-2 WOUS.

0700 Monitor checked CASJ-6 for activity.

0745 Nest searched in BUSH-14 buffer which is overgrown with weeds. No activity observed at nest.

0900-1015 Closely monitored crew while pulling flowering mustards in corner of DG-2 at SW edge of DG-W-1. No distress from CASJ. Nest likely fledged.

1230 Briefly saw female YEWA in mule fat.

1415 Several species scolding bobcat under oaks east of road at SE corner of Johnson Field. Bobcat walked out of sight, but birds continued to call for several minutes.

1435 Crews stopped pulling

**Additional Comments**

N/A

**Signature**





**Area cleared yesterday\_facing South.jpg**  
-118.17228 34.19014



**Before weeding\_DG-2 WOUS\_facing South.jpg**  
-118.17232 34.1898



**Starting work in DG-W-1.jpg**  
-118.17222 34.19164



**After\_pulled west side of DG-2 WOUS.jpg**  
-118.17229 34.18979

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51 °F	0-3 MPH	100 %
<b>End of Day</b>	15:15	75 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Crews working on east side pulling weeds around plantings. 6-man crew with Alberto; 6 workers on regular planting crew, plus temp crew of 6.

**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, WWPE, SOSP, CASJ, CATH, CALT, CAQU, SPTO, Eastern Fox Squirrel, Desert Cottontail, PHAI, BUOR, HOFI, California Ground Squirrel, WIFL (transient, silent except for a few whits), WIWA, COYE, HOOR, CORA, Gopher Snake, ANHU, BEWR, LEGO, RCPA

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

**Log Entry**

0645 Meeting w/ crews, getting work locations to survey (DG-2, DG-2 New Channels, DG-2 WOUS).

0700 Alberto's crew is just south of Johnson Field at 34.191064°N 118.172086°W getting into willow canopy pulling hemlock etc resprouts. Fairly quiet birdwise: CASJ, SPTO. Griffith sediment removal taking place directly adjacent to this location (beyond willows).

0800 Meet up with other planting crew and temp crew at 34.189819°N 118.172212°W pulling hemlock, pepperweed, mustard, etc.

0916 Done clearing BUSH\_14 nest buffer (failed) for any additional nesting.

1045 Surveyed further down new channel. Weeds are very tall (Conium, mustard) at South end. COYE (m,f) and SOSP (m singing). Transient WIFL seen at 34.188315°N 118.172912°W. Some whit calls but no fitz-bew.

1300 Crews are approaching CATH-3 nest but I haven't seen any activity there. But they didn't need to get around buffer because they are doubling back to get any weeds that were missed. Lots of Phacelia from seed mix in bloom (P. ramisissima, P. cicutaria, etc). 24" gopher snake with large bulge seen crossing new channel.

1430 Secondary NI crew heading out from DG-2.

1440 Another WIFL (could be same one) whitting further north at 34.190230°N 118.172228°W.

1450 Other crews stop pulling and bag rest of piles.

**Additional Comments**

N/A

**Signature**





photo\_1\_hand-pulling\_DG-2\_facingNorthWest.jpg  
-118.17205 34.19097



photo\_2\_hand-pulling\_DG-2\_WOUS\_facingNorthEast.jpg  
-118.17244 34.18943





photo\_3\_hand-pulling\_DG-2\_facingSouth.jpg  
-118.17231 34.19113



photo\_4\_hand-pulling\_DG-2\_WOUS\_facingSouth.jpg  
-118.1723 34.18975

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: May 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	69 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	69 °F	4-6 MPH	60 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crews (12) hand-weeding in DG-2, DG-2 New channels, and 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, WIWA, CALT, SPTO, CAQU, LEGO, CORA

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

**Log Entry**

0645 Met with crews. Cleared one group to work in old BUSH-14 buffer. Second group clearing slope along road at NE end of DG-2. Third group (led by Raul) continuing south on west edge of DG-2. Removed buffer for LEGO-2, which has not been seen for several weeks. Crews are prioritizing broadleaf species over grasses to move through areas more quickly. Spending time on grasses in small areas would mean more widespread broadleaves will go to seed before the crew can reach them. Low bird activity throughout work area.

0915 Removed CATH-3 buffer. No activity and did not find nest. Assume last observation was adult feeding fledgling away from nest.

1030 Crew finished in DG-2 and moved north to DG-W-1 Johnson Field.

1400 Raul's crew finished in DG-2 and moved to DG-W-1 to join other crew.

1420 Stopped pulling

**Additional Comments**

N/A

**Signature**





DG-2 New channels\_facing North\_BUSH14 buffer.jpg



DG-2\_facing West\_before.jpg  
-118.1723 34.19055



**BUSH14 buffer\_after.jpg**  
-118.17155 34.19058



**DG-2\_after.jpg**  
-118.17206 34.19054

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: May 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	68 °F	7-9 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (18) hand-weeding in DG-W-1 and DG-2/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:**

Coyote, MODO, RTHA, CALT, LEGO, CATH, CAQU, CASJ, BEWR, NRWS, WETA, PHAI, HOFI, CAKI, BUOR, SOS, ALHU, BUSH, BARS, Desert Cottontail, Rattlesnake, ACWO

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

**Log Entry**

0645 Crews continuing where they left off yesterday in Johnson Field. Four guys going back through DG-2 new channels and DG-2 to pull pepperweed in edges of mulefat clumps.

0900 Winds picking up, carrying willow/mule fat fluff and dust/dirt. Griffith's road closure blew over at SE corner of Johnson field.

1200 Two rattlesnakes (one large, other juvenile) uncovered in grassy area along North East slope of Johnson Field while crew removing mustards. Both coiled and sitting tight. Advised crew to work in open areas rather than disturb snakes.

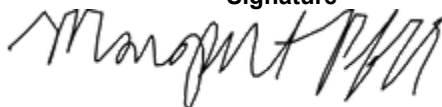
1245 Drove to west side to meet ECORP biologists and walk through DG-4 WOUS to plan for Phase 3 work. Crew was in area where bird nests were not a concern so monitor felt comfortable stepping away.

1415 Crew stopped pulling.

**Additional Comments**

N/A

**Signature**





**DG-W-1\_weeding\_facing North.jpg**  
-118.17176 34.19092

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	14:50	91 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling grass along the east side of Johnson field; 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:**

MODO, SOSP, SPTO, ACWO, CAKI, HOFI, CASJ, RTHA, San Diego Gopher Snake, PHAI, BUSH, ALHU, CALT, LEGO, OATI, CAQU, NRWS, BCHU, LAZB, BUOR, WREN, California Ground Squirrel, Western Fence Lizard, Desert Cottontail, Common Side Blotched Lizard, Coastal Whiptail, BEWR, ANHU, DEJU.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-W-1.

0655: Cleared crew to remove weeds on the east end of DG-W-1.

0700: Gave 2 new employees WEEP training.

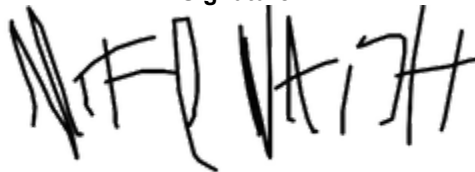
0715: Monitored vegetation clearing in DG-W-1.

0245: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_clearing\_DG-W-1\_facingNorth.jpg  
-118.1712 34.19107



photo\_2-after\_vegetation\_clearing\_DG-W-1\_facingNorth.jpg  
-118.17124 34.19102





photo\_3-before\_vegetation\_clearing\_DG-W-1\_facingNorthWest.jpg  
-118.17083 34.19135



photo\_4-after\_vegetation\_clearing\_DG-W-1\_facingNorthWest.jpg  
-118.17082 34.19142

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	10 %
<b>End of Day</b>	14:10	88 °F	7-9 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 12 hand pulling perennial pepperweed, mustard and poison hemlock in DG-2, DG-2 WOUS near the south end of the channels progressing towards the south.

**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, SPTO, ANHU, CALT, BEWR, CASJ, SOSP, BUSH, MODO, HOFI, RCPA, PHAI, CATH, NUWO, COYE, NRWS, Desert Cottontail, Coastal Whiptail.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-2, DG-2 WOUS.

0700: Cleared crew to work, monitored vegetation clearing in DG-2, DG-2 WOUS.

0715: Assigned 2 crew members to pick up vegetation piles which had been left behind in earlier weeks on the east side, assigned 2 different crew members to finish gathering seed heads in DG-W-1 from yesterday's removal efforts.

1200: Scouted new areas for vegetation removal, took photo points.

1400: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_hand\_pulling\_DG-2\_facingSouth.jpg  
-118.17255 34.18909



photo\_2-after\_hand\_pulling\_DG-2\_facingSouth.jpg  
-118.17247 34.18919



photo\_3-before\_hand\_pulling\_DG-2\_facingSouth.jpg  
-118.17287 34.18845



photo\_4-after\_hand\_pulling\_DG-2\_facingSouth.jpg  
-118.17287 34.18848

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: May 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	90 %
<b>End of Day</b>	15:15	83 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image regular and temp crews working on east side toward southern end with foreman Daniel Holmes. Thirteen workers in total.

**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, CASJ, CATH, CAQU, ANHU, SOSP, MODO, BEWR, ALHU, BUOR, RCPA, Desert Cottontail, California Ground Squirrel, CORA, LEGO, WEWP, Striped Racer reported by workers, Southern Pacific Rattlesnake, COHA, PHAI, HUVI

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

**Log Entry**

0645 Crews starting in DG-2 WOUS, DG-2, DG-2B: hemlock, pepperweed, Hirschfeldia, tocalote, etc.

0800 Discovered CAQU nesting in mule fat scrub along road in DG-2B (CAQU-2). Weeding work came very close (< 1ft) to the nest in dried grassy/horseweed clump but nest is still concealed and female returned to nest soon thereafter.

0945 Confirmed no activity at CATH\_2; planted area is very overgrown with chest-height lush green weeds: hemlock, Hirschfeldia, pepperweed.

1230 Four workers were pulling mustard etc from a planted area (DG-2B) that I had surveyed earlier after moving them from the CAQU nest above. However, CALT pair appeared concerned, then I found a new CALT\_3 nest which had been slightly disturbed/shifted from workers having pulled several tall adjacent mustards. It contained 2 eggs. I immediately instructed the workers to leave the area to allow the adults to return to the nest. However, when workers left, adults didn't seem to be returning to the nest for an hour plus before I called Margie Pfeffer and then Lauren Simpson to discuss potential solutions or reporting requirements if the nest was indeed abandoned. Lauren suggested replacing some of the pulled veg to reconceal the nest and make it more hospitable to the adults, which I had done successfully once before on a different project (eventual nest success with a rufous-crowned sparrow nest).

1245 A 30" southern Pacific rattlesnake was discovered by the portable cooler and retreated to a mule fat clump by the time I arrived. No attempt was made to move it since this was a few hundred feet north of the current work areas.

1400 After more monitoring of crew and the phone calls above, I placed some large pulled mustard plants next to CALT-3.

1430 The CALT pair was back in the area and perhaps was returning to the nest.

1445 Crews began wrapping up with bagging the rest of the rest of the cuttings from their work area at the southern end of DG-2/DG-2 WOUS. I discussed the CALT nest with foreman Daniel Holmes and insisted that they stick together as much as possible, since my monitoring of several different areas where the crews were scattered likely contributed to overlooking the CALT nest. After crews were done pulling I stuck around to get photos, work on log, coordinate with other monitors, and monitor what I could of CALT-3. Photos of the nest were uploaded to Collector (none attached here).

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to be 'SA' followed by a long horizontal line.

photo\_1\_hand-pulling\_DG-2\_WOUS\_facingNorth.jpg  
-118.17279 34.18869



photo\_2\_after\_hand-pulling\_DG-2\_WOUS\_facingNorth.jpg  
-118.1727 34.18871



photo\_3-after\_hand-pulling\_DG-2\_WOUS\_facingSouthWest.jpg  
-118.17294 34.18838



photo\_4-after\_hand-pulling\_DG-2\_facingSouthWest.jpg  
-118.17281 34.18832



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	60 %
<b>End of Day</b>	15:00	75 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling perennial pepperweed, mustard, and curly dock on the far southwest side of the site in DG-2, DG-3B, and DG-2 WOUS.

**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, CALT, SOSP, CASJ, KILL, BEWR, BUSH, SPTO, BARS, CORA, MALL, Striped Racer, San Diego Alligator Lizard, LEGO, MODO, RTHA, YEWA, WTSW, ATFL, CAKI.

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

**Log Entry**

0645: Performed a nesting bird survey. Confirmed failure of CALT-4. No adults were seen on or near the nest, and it remained intact. This was also reexamined from a distance several times throughout the day with no change. Found a potential CALT nest in a patch of DG-2 (CALT-5 on collector). Area was flagged off at a 50 foot buffer and crew was advised to avoid, as well as the areas within eyeshot of CALT\_4 just in case it decided to return to the old nest. Foot traffic was redirected into the channel for the day to minimize disturbance. Did a sweep of DG-3B, which came back with no nests.

0720: Monitored vegetation clearing in DG-3B.

0900: Swept the southernmost corner of DG-2.

0910: Reassigned 1/2 of crew to cleanup in DG-3B, while the other half of the crew moved into the southernmost corner of DG-2 to pull vegetation.

1130: The DG-3B cleanup crew was reassigned to detail work going up the channels near the others.

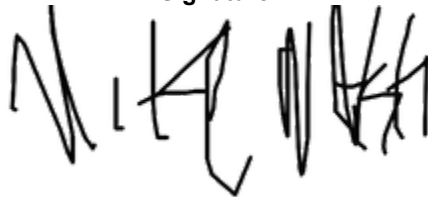
1246: YEWA male heard singing near the northeast side of DG-2 along the trail.

1445: Crew began working on cleanup while I inspected the site.

**Additional Comments**

YEWA heard singing (but not seen) at multiple points at the northeast corner of DG-2, well away from crew efforts. This will be examined further on 5/28.

**Signature**





**photo\_1-before\_pulling\_DG-3B\_facingSouth.jpg**  
-118.1734 34.1874



**photo\_2-after\_pulling\_DG-3B\_facingSouth.jpg**  
-118.17332 34.18759



**photo\_3-before\_pulling\_DG-2\_facingSouth.jpg**  
-118.17308 34.1882



**photo\_4-after\_pulling\_DG-2\_facingSouth.jpg**  
-118.17316 34.18823

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: May 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	13:10	75 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed, curly dock and mustard in DG-3B and 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, SPTO, BEWR, SOSP, ALHU, HOFI, RTHA, AMCR, MALL, NRWS, CORA, WTSW, ANHU, RCPA, COYE, CASJ, KILL, San Diego alligator lizard, Desert Cottontail.

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

**Log Entry**

0645: Performed a nesting bird survey. Discovered an adult of CALT\_4 sitting on the ground within a foot of its nest. The crew was advised to avoid this area within sight or earshot, and all crew foot traffic along the trail was rerouted to the channels for the day to minimize disturbances. The crew was relocated to DG-3B.

0715: Monitored vegetation clearing in DG-3B.

0930: Relocated a San Diego alligator lizard outside of the work area.

1000: Crew moved into DG-3A and work progressed south.

1200: Surveyed the area along the trails at the north end of DG-2 for the yellow warbler which had been heard yesterday; no YEWA seen or heard.

1300: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-3B\_before\_pulling\_facingSouth.jpg**  
-118.17347 34.18731



**photo\_2-DG-3B\_after\_pulling\_facingSouth.jpg**  
-118.17344 34.18725



photo\_3-san\_diego\_alligator\_lizard\_relocation\_facingSouth.jpg  
-118.17348 34.18706

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	70 %
<b>End of Day</b>	15:05	87 °F	7-9 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed, poison hemlock, and mustard in DG-3A, DG-4B, and DG-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:**

CALT, CATH, HOFI, ANHU, BEWR, COYE, SOSP, NRWS, BLPH, CORA, KILL, MALL, SBMU, COHA, RTHA, ALHU, CASJ, BUSH, California ground squirrel, EUST, AMCR, PHAI, WEBL, ACWO, SPTO, RSHA, BUOR, LEGO, California kingsnake, MODO, CAKI, ATFL, BGGN, WTSW, BARS, CAQU, California ground squirrel, Western fence lizard, Common side blotched lizard, Southern pacific rattlesnake.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-3A.

0655: Cleared crew to work in DG-3A, monitored vegetation clearing.

0800: A crew member reported hearing a rattlesnake on the hillside in the second southernmost clearing of DG-3A, this area was avoided to minimize risk of personal injury during relocation due to the incline and the lack of visualization. Crew progressed south while cleaning up as they went.

1030: Crew moved to the far north strip of DG-2 which had a small amount of mustard which had not been taken care of. I swept the area, cleared them to work and they cleared vegetation there until break while I moved ahead to survey DG-4B, which had significant cover and required a thorough survey.

1130: Monitored vegetation clearing in DG-4B.

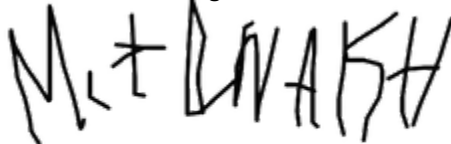
1210: Relocated a California king snake which was in DG-4B; the crew was working nearby and there was a trampling risk. Individual was moved to a nearby area just south of DG-4B which will not be weeded soon that looked similar to the area it was found in.

1500: Crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_DG-4B\_facingSouth.jpg**  
-118.17505 34.19251



**photo\_2-after\_weeding\_DG-4B\_facingSouth.jpg**  
-118.17502 34.19254





**photo\_3-before\_pulling\_DG-3A\_facingEast.jpg**  
-118.17318 34.1873



**photo\_4-after\_pulling\_DG-3A\_facingEast.jpg**  
-118.1731 34.18735

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: June 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	85 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image regular crew and temp crew (12 workers) hand-pulling on west side, around Hahamongna parking lot.

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

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

**List of species observed while monitoring:**

BHGR, CORA, CALT, SPTO, CASJ, BGGN, BEWR, BUSH, COHA, SOSF, HOFI, OCWA, Alligator lizard, Fence lizard, Side blotched lizard, Coastal whiptail, MODO, ACWO, ALHU, ANHU, Big-eared woodrat middens, California ground squirrel, LEGO, RTHA, CAQU

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

**Log Entry**

0645 All workers starting in DG-4B, pulling dense cover of pepperweed, hemlock, mustards around plantings.

0800 CALT-6 nest located in thicket under willows. Several more old CALT and CASJ nests found up on the flats in the planted elderberries/willows/cottonwoods that are now 6+ ft tall. 2 SOSF singing in area but no indication of nesting.

1000 Workers have reached the south end of DG-4B where it descends into the bottomland vegetation.

1100 Phone discussion with Margie, information about the two-striped garter snake mortality in the construction zone, which I passed along to Daniel Holmes and others.

1245 Some workers are getting into DG-4 (planted) on south side of parking lot while I clear it for nests. No new nests. I removed the buffer for SPTO\_2 (likely failed) and BUSH\_20 (failed).

1345 Most workers are in this area. I remind them to pull weeds growing in watering rings with natives.

1450 Crew is done pulling and is heading out with bundles.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand\_pulling\_DG-4B\_facingNorth.jpg**  
-118.17495 34.19202



**photo\_2\_hand\_pulling\_DG-4B\_facingSouthWest.jpg**  
-118.17501 34.19198



photo\_3\_hand\_pulling\_DG-4\_facingSouth.jpg  
-118.17553 34.19201

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: June 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	4-6 MPH	75 %
<b>End of Day</b>	15:00	82 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling poison hemlock and mustard in DG-4 near the northern parking lot.

**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, SPTO, ALHU, COYE, LEGO, SOSF, NRWS, MODO, BUSH, BARS, RCPA, CAQU, ACWO, CASJ, AMCR, ATFL, BEWR, Coastal whiptail, Common side blotched lizard, BCHU, RTHA.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4.

0655: Cleared crew to work, monitored vegetation clearing in DG-4.

0955: Discovered a California quail nest in DG-4. Crew was advised to avoid, and the area was flagged off.

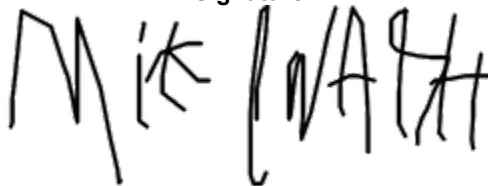
1230: Relocated tadpoles to the Altadena drain with Max Murray following a phone conversation with Lauren Simpson; a few western toad tadpoles were found in a small pool caused by an irrigation leak which was inevitably going to dry up after the leak was fixed. The leak had been missed by the crew in weeks prior because the pools were located behind thick patches of mustard and assorted natives.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pulling\_DG-4\_facingNorthWest.jpg**  
-118.17329 34.19374



**photo\_2-after\_pulling\_DG-4\_facingNorthWest.jpg**  
-118.17327 34.19387

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	13:33	81 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling mustard, Erodium, and poison hemlock in DG-4 near the north parking lot.

**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, LEGO, MODO, SOSP, COYE, COHU, BUSH, ANHU, BGGN, BARS, NRWS, CASJ, SPTO, WTSW, WREN, Desert cottontail, Western fence lizard, Coastal whiptail, OATI.

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

**Log Entry**

0645: Performed a nesting bird survey.

0655: Monitored vegetation clearing in DG-4., primary focus on Erodium and mustard removal. Most of the Erodium was concentrated at the bases of the container plants, and the mustard was interspersed between in dense patches.

1130: Crew began moving down the hill (south) into the lower planted area, shifting focus instead to pulling poison hemlock. Monitored this activity. Common yellowthroat and song sparrow heard singing but no indication of nesting.

1325: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_removal\_DG-4\_facingSouth.jpg  
-118.17316 34.19362



photo\_2-after\_vegetation\_removal\_DG-4\_facingSouth.jpg  
-118.17313 34.19363





photo\_3-before\_vegetation\_removal\_DG-4\_facingSouth.jpg  
-118.17314 34.1937



photo\_4-after\_vegetation\_removal\_DG-4\_facingSouth.jpg  
-118.17314 34.19375

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	100 %
End of Day	15:00	61 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and mustard in DG-4, DG-4A just south and east of the northernmost parking lot.

**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:**

BHGR, CAQU, ANHU, SPTO, SOSP, MODO, WREN, BUSH, YEWA, CALT, HOFI, ALHU, NRWS, OCWA, CATH, LEGO, BEWR, BARS, Desert Cottontail.

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

**Log Entry**

0645: Performed a nesting bird survey in a planted area of DG-4 just south of the northernmost parking lot.

0700: Cleared crew to work. Monitored vegetation clearing in the forementioned area.

0716: Male YEWA heard calling and observed nearby the crew. They were sent up to the large patches of perennial pepperweed east of parking lot to clear vegetation while I investigated. After it was determined that the YEWA was no longer in the vicinity, we decided to keep the crew in the area they were sent to (DG-4/DG-4A) because we were expecting a delivery of posts, which the crew would help unload, because they would be nearby when it showed up, also out of an abundance of caution regarding the YEWA sighting.

0830: Removed buffers on 2 nests: CASJ\_9, CASJ\_1, both were inactive and there was no nearby CASJ activity. It is unclear whether the nests failed or fledged, but CASJ\_10 was immediately within the vicinity of CASJ\_9, meaning that 10 may have been the successful product of the same pair.

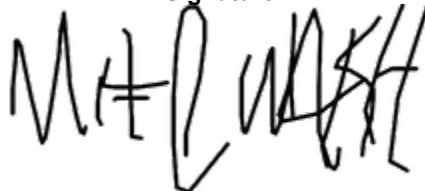
1100: Posts were delivered, but foreman Daniel Holmes was able to secure a forklift, so the crew continued pulling and I monitored their activities.

1430: Crew finished clearing vegetation for the day and started hauling tarps while I inspected the site.

**Additional Comments**

YEWA was heard and seen immediately in the vicinity of crew working. It was repeatedly calling, jumping from tree to tree. The crew was immediately moved, and the singing bout continued for 15 minutes, and the individual seemed to be progressing westward, continuing into the oak woodland to the west. After about 15 minutes, the calling bout ceased. The area was periodically checked throughout the day, and no evidence of YEWA presence was detected. Given this, and given the fact that we had been working nearby for several days with no issue, it was likely just passing through, but the area will continue to be closely monitored.

Signature





photo\_1-before\_pulling\_facingEast\_DG-4A.jpg  
-118.17247 34.19372



photo\_2-after\_pulling\_facingEast\_DG-4A.jpg  
-118.17246 34.19377



**photo\_3-before\_pulling\_facingEast\_DG-4A.jpg**  
-118.17229 34.19363



**photo\_4-after\_pulling\_facingEast\_DG-4A.jpg**  
-118.17231 34.19362

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	90 %
End of Day	14:30	75 °F	7-9 MPH	1 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and mustard in DG-4 and DG-4A just East of the northern parking lot.

**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, MODO, HOFI, LEGO, ANHU, SPTO, CASJ, WREN, BUSH, KILL, BARS, NOMO, OCWA, ALHU, BHGR, NRWS, CALT, OATI, WEWP, Desert Cottontail, COYE, Common Side Blotched Lizard, RCPA, AMCR, Western Fence Lizard, Western Toad, COHA, CORA, California Ground Squirrel, Coastal Whiptail.

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

**Log Entry**

0645: Performed a nesting bird survey while crew worked on cleanup behind me in DG-4A.

0655: Monitored vegetation clearing in DG-4A and DG-4. Most of the area was either plantings or mulefat thickets which had become overrun by perennial pepperweed and mustard.

0900: Investigated the status of CALT\_10, the nest near the north edge of the mining pit. One fully fledged juvenile was observed foraging and flying in the vicinity, and the nest is no longer active.

1130: As crew began running out of work in the open planted areas, I directed them to the area under the arroyo willows which is in the immediate vicinity of the finished work areas. Following a brief resurvey and a conversation to reiterate best practices for rattlesnake encounters, they were cleared to work, and I monitored their efforts.

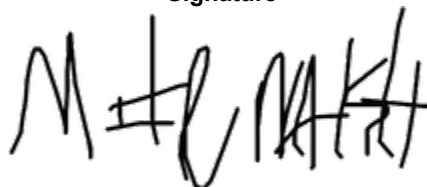
1330: Filled an old metal pole (had previously been a goal for frisbee golf) with dirt because it had become a trap for lizards.

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_removal\_DG-4A\_facingNorthEast.jpg  
-118.17228 34.1936



photo\_2-after\_vegetation\_removal\_DG-4A\_facingNorthEast.jpg  
-118.17226 34.19363



**photo\_3-before\_vegetation\_removal\_DG-4\_facingEast.jpg**  
-118.17212 34.19379



**photo\_4-after\_vegetation\_removal\_DG-4\_facingEast.jpg**  
-118.1721 34.19385

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: June 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	56 °F	0-3 MPH	20 %
<b>End of Day</b>	14:30	74 °F	7-9 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 (perm + temp crew) hand-pulling on west side, Daniel Holmes 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, Side Blotched lizard, Coastal Whiptail, Fence lizard, WEWP, ANHU, SOSP, COYE, HOWR, BHGR, NRWS, BARS, CAQU, ATFL, HOFI, RCPA, Southern Pacific Rattlesnake, ACWO, LEGO, RTHA

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

**Log Entry**

0645 Training new temp worker, Ethan Gould, then surveying the coastal scrub/willow area to the east of the northern parking lot that they started weeding *Hirschfeldia*, etc., yesterday (DG-4).

0730 Daniel is showing me bottomland planted area south of parking lot where a line was leaking and created an oasis of hemlock and mustards amongst the planted mule fat, elderberry, etc. New BHGR-3 nest in willows. SOSP and COYE singing here, at least one old SOSP/COYE nest on a weedy plant cage.

1030 A group of 9 workers starting on DG-4 and DG-4A 'upland' area south of parking lot, I show them the BHGR-3 buffer. Weeds here are mostly *Hirschfeldia* with some hemlock. Still three workers at north end of DG-4 planted area, NE of parking lot.

1345 Crew from northern section are done pulling, joins these guys. Large southern Pacific rattlesnake found under rock along trail (34.193613°N 118.172785°W).

1430 Guys are done pulling and start to tarp up.

**Additional Comments**

N/A

Signature







**photo\_1\_hand-pulling\_DG-4\_facingNorthEast.jpg**  
-118.17277 34.19408



**photo\_2\_surveying\_DG-4\_bottomland\_facingSouth.jpg**  
-118.17313 34.19341



**photo\_3\_hand-pulling\_DG-4A\_facingSouth.jpg**  
-118.17291 34.19344



**photo\_4\_hand\_pulling\_DG-4\_facingEast.jpg**  
-118.1726 34.19465

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	75 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling mustard, stinking chamomile, horehound and erodium in 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:**

HOFI, BARS, SOSP, SPTO, NRWS, BEWR, MODO, HOWR, COYE, CAQU, BUSH, LEGO, WEWP, RTHA, California ground squirrel, Desert cottontail, ACWO, KILL, WREN, BHGR, Coastal whiptail, Southern pacific rattlesnake.

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

**Log Entry**

0645: Monitored vegetation clearing in DG-4 while performing a nesting bird survey of the next work area. The crew worked in a thick mustard monoculture and hand pulled.

0730: Found a nest (CALT\_8) in a California buckwheat in DG-4. I put up flags for avoidance and informed the crew.

0820: Moved a few crew members west to the corner of the parking lot to clear thick patches of stinking chamomile and Erodium.

1048: A helicopter touched down near the JPL complex, releasing a considerable amount of dust into the air.

1130: Transitioned the crew working on mustard into DG-4C, where they pulled scattered erodium, mustard, and horehound.

1410: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_hand\_pulling\_DG-4\_facingNorthEast.jpg**  
-118.17285 34.19347



**photo\_2-after\_hand\_pulling\_DG-4\_facingNorthEast.jpg**  
-118.17278 34.19346



photo\_3-before\_hand\_pulling\_DG-4\_facingSouth.jpg  
-118.17363 34.19401



photo\_4-After\_hand\_pulling\_DG-4\_facingSouth.jpg  
-118.17362 34.19406

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling/weed whacking poison hemlock and mustard in DG-4 surrounding the northern parking lot.

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

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

**List of species observed while monitoring:**

MOD0, SOSP, COYE, WEWP, CALT, HOFI, KILL, Desert Cottontail, LEGO, RCPA, CAQU, BUSH, NRWS, RTHA, ANHU, BHCO, ACWO, BHGR, Neotoma sp., Southern Pacific Rattlesnake, RSHA, CATH, California Ground Squirrel, Coastal Whiptail, Common Side Blotched Lizard, Western fence lizard, San Diego gopher snake.

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

**Log Entry**

0645: Performed a nesting bird sweep in DG-4, flagged the borders of an existing nest.

0755: Monitored vegetation clearing. Crew was pulling 8-12 foot high poison hemlock which had grown between container plants, and there were open sandy flats near the south of this irrigated area that had been taken over by mustard.

0920: Moved 2 crew members slightly up the hill as we started running out of hemlock to pull. A crew member reported finding a large southern pacific rattlesnake, which then disappeared into the large thick patch on the hillside. To avoid risking injury, I had the crew members move onto pickup and left the area to be cleared another day.

1030: Crew moved to far north side to work on pulling mustard and scattered horehound.

1200: Supervised use of a weed whacker on the south side of the parking lot (DG-4) to clear Erodium and mustard.

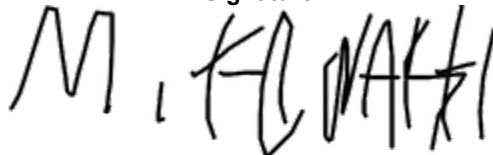
1400: Took photos at bi-weekly photo points while the crew wrapped up pulling. In the course of doing this, I encountered a dead San Diego gopher snake in the eastern truck ramp. This species ID was confirmed by Lauren Simpson and another ECorp biologist following a brief phone call.

1510: Photographed and inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_weed\_removal\_DG-4\_facingSouth.jpg  
-118.17334 34.19316



photo\_2-after\_weed\_removal\_DG-4\_facingSouth.jpg  
-118.17328 34.19316



photo\_3-before\_weed\_removal\_DG-4\_facingNorth.jpg  
-118.17224 34.19517



photo\_4-after\_weed\_removal\_DG-4\_facingNorth.jpg  
-118.17224 34.19514



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:00	93 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling perennial pepperweed, mustard and poison hemlock 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:**

CORA, MODO, CALT, WEWP, HOFI, CAQU, LEGO, SOSP, SPTO, CASJ, OATI, Desert cottontail, BHGR, HOWR, NUWO, Western toad, WTSW, BUSH, RTHA, ACWO, WREN, Coastal whiptail, California ground squirrel.

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

**Log Entry**

0645: Tailgate meeting was held with regards to the coming heat wave, reiterated best practices to avoid and recognize heat illnesses.

0700: Performed a nesting bird survey in DG-W-2, confirmed failure of BUSH\_23. Heard frequent OATI calling in the area, did not locate nest.

0715: Crew began weeding the open planted area of the mining pit (DG-W-2), with crew members alternating between shaded and exposed areas to minimize heat stress. Area was thick with poison hemlock, perennial pepperweed and mustard, similar to the channels on the east side before weeding. Special attention was paid to detailing planting berms, which were filled with assorted invasives.

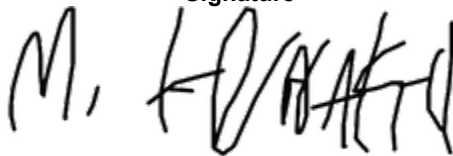
1030: Surveyed nearby planted areas for potential work and nests. Bird activity was low, possibly due to heat. No nesting behavior observed.

1349: Crew began arranging weeds that had been pulled into piles and covering them with tarps, leaving them to haul in the morning so that they weren't loading and hauling them during the hottest hours of the day. I inspected the site and took photos. After finishing this, they spent the remainder of the day working on microline placement.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_clearing\_DG-W-2\_facingNorth.jpg  
-118.17427 34.19345



photo\_2-after\_vegetation\_clearing\_DG-W-2\_facingNorth.jpg  
-118.17426 34.19345



photo\_3-planting\_berm\_detail\_work\_before\_facingNorth.jpg  
-118.17376 34.19349



photo\_4-planting\_berm\_detail\_work\_after\_facingNorth.jpg  
-118.17382 34.19351

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	72 °F	0-3 MPH	5 %
<b>End of Day</b>	14:20	100 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock 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:**

CAQU, RTHA, HOFI, SOSP, CALT, CASJ, SPTO, BEWR, EUST, BHCO, ACWO, LEGO, California Kingsnake (dead), ALHU, NUWO, WTSW, BGGN, HOWR, Western Fence Lizard, Coastal Whiptail, California Ground Squirrel.

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

**Log Entry**

0640: Performed a nesting bird survey in DG-W-2.

0655: Cleared crew to work, they began by hauling out vegetation piles which had been made the day before. Gave Weep training to a new crew member.

0715: Took photos of the northern parking lot restoration borders.

0800: Crew transitioned to hand pulling in DG-W-2. Monitored their activities.

0930: Relocated a western toad outside of the work area to minimize trampling risk.

1410: Crew began working on cleanup while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_clearing\_DG-W-2\_facingSouthWest.jpg  
-118.17407 34.1929



photo\_2-after\_vegetation\_clearing\_DG-W-2\_facingSouthWest.jpg  
-118.17403 34.19296



photo\_3-before\_vegetation\_clearing\_DG-W-2\_facingSouthEast.jpg  
-118.17402 34.193



photo\_4-After\_vegetation\_clearing\_DG-W-2\_facingSouthEast.jpg  
-118.17403 34.19307

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: June 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	69 °F	0-3 MPH	80 %
End of Day	14:30	91 °F	0-3 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Large Natures Image crew of about 15 working in untreated areas in South West project area, Daniel Holmes 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:**

CALT, ANHU, ALHU, BEWR, SPTO, BHGR, MODO, CORA, AMCR, WREN, YEWA, Fence Lizard, Coastal Whiptail, Desert Cottontail, BUSH, HUVI, LEGO, ACWO, NUWO, COYE, HOWR, NRWS, GBHE. YEWA location already recorded in Collector.

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

**Log Entry**

0645 Crews head to 'primrose' site, down powerline road from main dumpster parking lot. Very hot day forecast. I quickly survey several open-canopy DG-4A areas scheduled for weed abatement before work starts. Grassy sections on south side of DG-5 are being weed-whipped, while overgrown sections with hemlock, pepperweed, wild radish, etc., are being hand-pulled. CALT slightly alarmed by weed-whipping, may be nesting somewhere in DG-5 irrigated trees/shrubs. Very birdy in overgrown weeds and willow cover to the south (HOFI, SPTO, CALT, YEWA, LEGO, COYE, HOWR, etc). At least two SPTO pairs in area, possibly carrying food but haven't yet confirmed. 0930 Had to relocate a juvenile desert cottontail that was frozen in the weeds when the guys got close. Appears unharmed, relocated to under nearby coast live oak, possibly one other juvenile that ran that way. Reminded weed-whipping crew to refuel only on the road or in truck beds parked on road. And of course reminded them of extreme fire danger. After lunch more pulling etc in same areas. No new nests found. YEWA calling from location already recorded in Collector. Possible old YEWA nest in willow and lesser goldfinch taking material to undetermined location.

2:20. They stop pulling. Some piles are being hauled out now but many piles remain on-site for hauling in the morning, due to the extreme heat.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand-pulling\_DG-4A\_facingSouthEast.jpg**  
-118.1771 34.19024



**photo\_2\_weed\_whipping\_DG-4A\_facingNorthEast.jpg**  
-118.17705 34.19037





photo\_3-before\_hand\_pulling\_DG-4A\_facingEast.jpg  
-118.17723 34.18995



photo\_4\_after\_weed\_whipping\_hand\_pulling\_DG-4A\_facingSouthWest.jpg  
-118.17658 34.19043

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	68 °F	0-3 MPH	0 %
End of Day	14:30	93 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 24 hand pulling and weed whacking perennial pepperweed and poison hemlock in DG-4A and DG-4 near the primrose 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:**

ANHU, MODO, ALHU, SOSP, BUSH, ACWO, NRWS, Western Toad, CASJ, CALT, BCHU, HUVI, HOFI, BEWR, CATH, Desert Cottontail, COYE, BHGR, CAQU, CORA, OATI, BGGN, AMCR, WTSW, California Ground Squirrel, Western Fence Lizard, Coastal Whiptail.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4A.

0700: Cleared crew to continue pulling. They began by hauling some of yesterday's leftover vegetation. Two crew members began using weed whackers to clear an open area in DG-4A which I surveyed. Monitored these activities.

0730: Crew members not on weed whackers transitioned to hand pulling perennial pepperweed and poison hemlock in a clearing of DG-4A. Monitored these activities.

0930: A heavy rain began, the crew went to their cars until it passed about 15 minutes later.

1000: Full crew stopped using weed whackers, transitioned to hand pulling near and behind the tree line. Area was thick with poison hemlock and perennial pepperweed.

1310: Performed a preliminary sweep of some areas near where the fence is to be installed south of the parking lot.

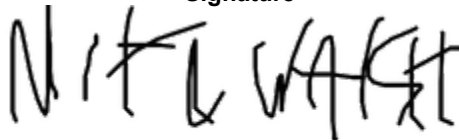
1325: Found some poison oak near where crew had been pulling. Determined that nobody had likely touched it, and gave all temps a talk about identifying poison oak at different life stages and with differing leaf morphologies.

1410: Crew transitioned to cleanup and microline checks while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_vegetation\_removal\_DG-4A\_facingWest.jpg**  
-118.17681 34.18963



**photo\_2-after\_vegetation\_removal\_DG-4A\_facingWest.jpg**  
-118.17681 34.18963



photo\_3-before\_vegetation\_removal\_DG-4A\_facingNorth.jpg  
-118.17666 34.18956



photo\_4-after\_vegetation\_removal\_DG-4A\_facingNorth.jpg  
-118.1767 34.1896

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	4-6 MPH	100 %
<b>End of Day</b>	13:00	79 °F	4-6 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 20 hand pulling and weed whacking perennial pepperweed and *Chenopodium album* in the boulder region on the west side, DG-4A/ 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:**

COYE, SPTO, YEWA, CALT, CASJ, SOSP, NRWS, LEGO, HOFI, BUSH, BHGR, CLSW, ALHU, CAQU, WTSW, BARS, BLPH, ANHU, BEWR, Western Fence Lizard, Coastal Whiptail, Desert Cottontail, Western Toad,

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

**Log Entry**

0645: Performed a nesting bird survey of DG-4A and DG-4, including the boulder field and the 2 adjacent open areas to the south while the crew tarped up yesterday's vegetation. YEWA heard outside of the work area. BUSH\_20 confirmed inactive during this survey, possibly fledged or failed. Nest is no longer present, no nearby bushtit activity observed.

0730: Crew wrapped up tarping, began hand pulling and weed whacking perennial pepperweed in the boulder field. Monitored these activities.

0845: Flagged off buffer of BGGN\_1, which was in the direction the crew was heading. This nest was monitored throughout the day, and no behavioral changes were observed.

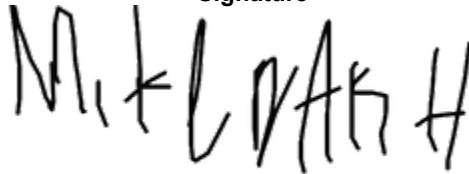
0900: Crew moved to the open field immediately south of the twin boulder field to clear perennial pepperweed by hand.

1145: Crew wrapped up pulling to focus on cleanup and microlines while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_DG-4A\_facingNorth.jpg**  
-118.17517 34.19076



**photo\_2-after\_weeding\_DG-4A\_facingNorth.jpg**  
-118.17514 34.19077



**photo\_3-before\_weeding\_DG-4A\_facingSouthEast.jpg**  
-118.17581 34.1899



**photo\_4-after\_weeding\_DG-4A\_facingSouthEast.jpg**  
-118.17573 34.18991

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	100 %
<b>End of Day</b>	14:15	88 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling perennial pepperweed in the large open areas west and south of the twin boulder field in DG-4A, 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:**

CAQU, COYE, SOSPO, BUSH, SPTO, CATH, BGGN, LEGO, CALT, RCPA, AMCR, HOFI (orange morph), ANHU, ALHU, CASJ, desert cottontail, BEWR, coyote, NRWS, side-blotched lizard, ACWO, WEWP, KILL

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

**Log Entry**

0645: performed a nesting bird survey in DG-4A.

0700: cleared crew to work, monitored vegetation clearing in DG-4A beginning in the open field west of the boulder region. Area was a monoculture of perennial pepperweed with occasional *Chenopodium album*. Observed yellow warbler in oaks west of parking lot.

1145: surveyed area south of current work area (DG-4) for nests and possible work.

1212: discovered an active YEWA nest (YEWA\_3 in collector) feeding young about 75 feet from the crew. Immediately moved crew, set up a 100-foot buffer, and had a brief discussion with Lauren Simpson regarding reporting requirements.

1400: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**







photo\_1-before\_vegetation\_clearing\_DG-4A\_facingS.jpg  
-118.17554 34.19066



photo\_2-after\_vegetation\_clearing\_DG-4A\_facingS.jpg  
-118.17553 34.19067



photo\_3-before\_vegetation\_clearing\_DG-4A\_facingW.jpg  
-118.17587 34.18969



photo\_4-after\_vegetation\_clearing\_DG-4A\_facingW.jpg  
-118.17581 34.18971

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	5 %
<b>End of Day</b>	14:45	84 °F	7-9 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling perennial pepperweed 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:**

COHA, BGGN, COYE, NRWS, WTSW, HOFI, YEWA, HUVI, BUSH, LEGO, SOSP, CALT, ACWO, ANHU, ALHU, CAQU, MODO, EUST, BARS, OCWA, RTHA, CASJ, WEBL, DEJU, Coastal whiptail, Common side blotched lizard.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4A.

0700: Cleared crews to work. They had been focusing on tarping and cleaning up the vegetation piles from the day before. Observed YEWA (already recorded in collector).

0715: Monitored vegetation clearing in DG-4A.

0800: Crew switched back to cleanup and tarping so foreman Daniel Holmes and I could meet with Mark Gim regarding the fence path.

1000: Monitored vegetation clearing again. Discovered a LEGO nest in DG-4A, crew was advised to avoid, and all relevant information was put into collector.

1130: Crew was moved to planted area of DG-4 Just south of the twin boulder field. Monitored vegetation clearing.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_DG-4A\_vegetation\_clearing\_facingNorth.jpg  
-118.17552 34.19045



photo\_2-after\_DG-4A\_vegetation\_clearing\_facingNorth.jpg  
-118.17545 34.19039



photo\_3-before\_DG-4\_vegetation\_clearing\_facingSouth.jpg  
-118.17493 34.19026



photo\_4-after\_DG-4\_vegetation\_clearing\_facingSouth.jpg  
-118.17492 34.19028

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: June 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	60 °F	0-3 MPH	10 %
<b>End of Day</b>	14:30	85 °F	7-9 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 including foreman Daniel Holmes pulling weeds in southwest project area.

**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, SPTO, RCPA, BLGR, ANHU, LEGO, HOFI, BHGR, BUSH, BARS, CAQU, NRWS, COYE, western fence lizard, ALHU, meadow vole, western toad, PSFL, side-blotched lizard, alligator lizard, WTSW, BGGN, CALT, coastal whiptail, big-eared woodrat, CASJ

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

**Log Entry**

0645 crew heads to south end of path near 'boulder' site to DG-4 planted area (34.190265°N 118.175113°W vicinity). Weeds are primarily pepperweed and poison hemlock. Male SPTO and COYE singing in central willow patch but so far no indication of females or nesting.

0715 removed BGGN-1 buffer (failed).

1140 after lunch I cleared CALT\_6, which may have fledged but upon close inspection a juvenile big-eared woodrat was observed sleeping in nest.

1300 phone call to Margie to catch up on monitoring and scheduling now that she has returned from vacation.

1330 discovered new SPTO\_3 nest at edge of willows near work crews. Set up buffer and showed location to Daniel and others, entered into Collector.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand-pulling\_DG-4\_facingSE.jpg**  
-118.17557 34.1905



**photo\_2\_hand-pulling\_DG-4\_facingS.jpg**  
-118.17571 34.19025



photo\_3\_hand-pulling\_DG-4\_facingN.jpg  
-118.17522 34.19005



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	0 %
End of Day	14:45	81 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed/poison hemlock and digging fence post holes in DG-4, DG-4A south of the twin boulder area, DG-W-2 mining pit outlet, DG-4 sheetflow, and the trail next to DG-5.

**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, ACWO, SPTO, BUSH, COYE, SOSP, WTSW, BHGR, HOWR, BEWR, HOFI, LEGO, YEWA, NRWS, WREN, BGGN, ANHU, AMCR, California ground squirrel, western fence lizard, western toad, coyote, coastal whiptail, side blotched lizard

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

**Log Entry**

0645: performed a nesting bird survey in DG-4.

0655: cleared crew to work, monitored vegetation clearing in the planted area south of the twin boulder area. DG-4. Several crew members were assigned to doing microline checks and cleanup from the day before. Observed yellow warbler in an area already mapped in collector, it was not close to the crew.

1000: crew moved to DG-4 sheetflow/DG-W-2 mining pit outlet to weed the area, which had become overgrown with poison hemlock. Monitored their activities.

1200: performed a nesting bird survey near where the crew was planning to dig holes for the fence after they got the final ok from dig alert, then spotted foreman Daniel Holmes as he drove the excavator to the desired location.

1251: took photos for the bi-weekly photo points on the west side.

1330: 4 crew members began digging holes and assisting near DG-5 at the southern end of the fence line (west side). They put only 2 fence posts in and poured concrete, this was due to time constraints and also as a test to ensure that the concrete set properly. Supervised for a moment, then continued monitoring weeding.

1439: crew wrapped up pulling and digging while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_DG-4\_facingNE.jpg**  
-118.1755 34.1901



**photo\_2-after\_weeding\_DG-4\_facingNE.jpg**  
-118.17547 34.19012



photo\_3-before\_weeding\_DG-4\_sheetflow\_facingN.jpg  
-118.17592 34.19144



photo\_4-after\_weeding\_DG-4\_sheetflow\_facingN.jpg  
-118.17589 34.1913

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	13:55	82 °F	10-12 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock in DG-4 sheetflow, DG-W-2 mining pit outlet, and setting up fencing along the perimeter trail near DG-5.

**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, OATI, BGGN, YEWA, SOSP, ALHU, ANHU, ACWO, COYE, HOWR, BEWR, SPTO, BHGR, CATH, HOFI, LEGO, NRWS, NOMO, MODO, WEBL, KILL

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

**Log Entry**

0645: performed a nesting bird survey in DG-W-2 mining pit outlet/ DG-4 sheetflow.

0655: cleared crew to work, monitored vegetation clearing. Heard a YEWA calling from the parking lot.

0715: swept the area the crew was heading into, the mining pit channel. Checked on 2 nests, BEWR\_1 and BUSH\_19. Both were inactive, and the buffers were removed.

0730: crew of 4 began placing fence posts near DG-5.

1000: assigned weeding crew to pick up leftover vegetation which had been missed in the mining pit. Took the bi-weekly photo points on the east side of the site.

1130: monitored digging with an excavator near DG-5 with the fencing crew.

1330: fencing crew wrapped up digging and began pouring concrete.

1350: weeding crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_DG-4\_sheetflow\_facingS.jpg**  
-118.17587 34.19114



**photo\_2-after\_weeding\_DG-4\_sheetflow\_facingS.jpg**  
-118.17591 34.19129



photo\_3-excavator\_use\_DG-5\_facingN.jpg  
-118.17675 34.19111



photo\_4-fencing\_progress\_facingS.jpg  
-118.17665 34.19121

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:20	91 °F	7-9 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling poison hemlock and cutting tree of heaven, crew of 4 installing fencing on the west perimeter trail near DG-5.

**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, BUSH, BEWR, CALT, NUWO, OATI, YEWA, SPTO, HOWR, SOSO, ACWO, ALHU, ANHU, RCPA, COYE, NRWS, HOFI, LEGO, MODO, PSFL, EUST, AMCR, desert cottontail, RTHA, western fence lizard, coastal whiptail, California ground squirrel

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

**Log Entry**

0645: performed a nesting bird survey in DG-4 sheetflow. YEWA observed in an area which is already put into collector.

0700: cleared crew to work in DG-4 sheetflow. Monitored vegetation clearing.

0745: swept the area where the fencing crew was planning to work, found no nesting activity.

0800: spotted foreman Daniel Holmes as he transported the excavator to the work area.

0810: 4 crew members began installing fence posts while the rest of the crew continued in DG-4 sheetflow.

1130: heard a distant yellow warbler south of the crew in an area previously weeded. Searched the area for nests, found none.

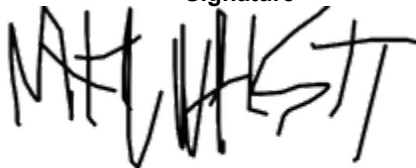
1349: weeding crew cut down some tree of heaven on east side of DG-4 sheetflow. Checked saplings for nests before clearing them.

1410: weeding crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weeding\_DG-4\_sheetflow\_facingN.jpg**  
-118.17595 34.19118



**photo\_2-after\_weeding\_DG-4\_sheetflow\_facingN.jpg**  
-118.17584 34.19119





photo\_3-fencing\_progress\_facingN.jpg  
-118.17664 34.19128

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: June 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	40 %
<b>End of Day</b>	14:10	82 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling perennial pepperweed and poison hemlock in DG-W-2 mining pit, crew of 4 installing fencing near parking lot.

**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, NRWS, ANHU, ALHU, HOFI, RCPA, desert cottontail, BHGR, LEGO, BCHU, COYE, BLPH, BGGN, MODO, NUWO, RTHA, ACWO, BEWR, California ground squirrel, western fence lizard, CAQU, CALT, SPTO, WTSW, BUSH, coastal whiptail

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

**Log Entry**

0645: performed a nesting bird survey in the mining pit (DG-W-2). Container plants were being choked out by perennial pepperweed and poison hemlock.

0700: cleared crew to work. Monitored vegetation clearing in the aforementioned area. Lots of hummingbird activity as the area began to get more sun.

0900: surveyed ahead of crew for nesting birds in the channel. Observed a CASJ with food, followed it to a possible nest in DG-4 (CASJ\_12). Nest was put into collector and crew was advised to avoid, not yet flagged due to low likelihood of crew passing through the area anytime soon.

1355: crew began wrapping up while I inspected the site. Crew member found a coastal whiptail at the bottom of a 3 foot deep fence post hole. I removed it and released it into the nearby brush.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pulling\_DG-W-2\_facingS.jpg**  
-118.17448 34.19334



**photo\_2-after\_pulling\_DG-W-2\_facingS.jpg**  
-118.17443 34.19332



photo\_3-excavator\_use\_facingSE.jpg  
-118.17561 34.19197



photo\_4-fencing\_progress\_facingW.jpg  
-118.17515 34.19212

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: June 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	100 %
<b>End of Day</b>	14:15	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of about 16 hand-pulling on west side of project area with Daniel Holmes, supervisor. Of this group Daniel plus 3 others are working on fence until about 1230.

**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, NUWO, RCPA, MODO, ANHU, ALHU, CALT, SPTO, YEWA singing in/around Mining Pit, BEWR, NRWS, CATH, HOOR, ACWO, AMCR, BUSH, OATI, BHGR, WREN, RWBU, coastal whiptail, western fence lizard, side-blotched lizard, ATFL, HOFI

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

**Log Entry**

0645 while crew is bundling piles from yesterday in DG-W-2 Mining Pit, I survey ahead of them and clear older BEWR-1 nest buffer for weeding. Primarily perennial pepperweed and poison hemlock, some mustard, castor bean, etc. Relatively quiet birdwise.

1000 most of crew is moving into planted DG-W-2-Mining Pit Outlet, weeding hemlock, pepperweed, mustards, pigweed, *Dysphania botrys*, *Amaranthus albus*, Marrubium, tree tobacco, castor bean, Mexican tea, *Chenopodium album*. Native recruits mostly limited to a few *Rorippa curvisiliqua*, California poppy, *Ambrosia acanthicarpa*, *Solanum*, *Xanthium*, *Datura*. And *Erigeron canadensis* (most of which are new sprouts in the watering rings). There's still 3-4 guys (temp crew) working far east end of Mining Pit and I reminded them to scour the edges on the way out for more hemlock and castor bean.

1315 main crew (regular Natures Image plus temp crew) done pulling, doing a safety meeting before cleaning up. Lake Forest crew pulling until 2pm.

**Additional Comments**

N/A

Signature





photo\_1-hand-pulling\_bundling\_DG-W\_2\_Mining\_Pit\_facingSW.jpg  
-118.17429 34.19303



photo\_2-hand-pulling\_DG-W\_2\_Mining\_Pit\_facingW.jpg  
-118.17378 34.19264



photo\_3\_hand\_pulling\_DG-W-2\_Mining\_Pit\_Outlet\_facingSW.jpg  
-118.17468 34.19219



photo\_4\_after\_hand\_pulling\_DG-W-2\_Mining\_Pit\_Outlet\_facingS.jpg  
-118.17463 34.19236

# Devil's Gate Reservoir Restoration Project Third Quarter Compliance Report Activities Occurring Between July 2021 and September 2021

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**November 2021**



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- Appendix A: Least Bell's Vireo Breeding Season Survey Reports – July through September 2021
- Appendix B: CNDDDB Submission of Least Bell's Vireo Observations
- Appendix C: Construction Monitoring Logs
- Appendix D: Habitat Restoration Monitoring Logs

**LIST OF ACRONYMS AND ABBREVIATIONS**

<b>Term</b>	<b>Description</b>
CDFW	California Department of Fish and Wildlife
CNDDDB	California Natural Diversity Database
ESA	Environmentally Sensitive Area
ITP	Incidental Take Permit
LACFCD	Los Angeles County Flood Control District
LACPW	Los Angeles County Department of Public Works
MMRP	Mitigation Monitoring and Reporting Program
USFWS	U.S. Fish and Wildlife Service

## **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 2021 (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 twelfth report (Quarterly Compliance Report Number 12) 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, 2021.

## **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 U.S. Fish and Wildlife Service (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 2021 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 2021. 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.**

Date	Designated Biologist
07/02/2021	Shannan Shaffer
07/06/2021	Shannan Shaffer
07/09/2021	Shannan Shaffer
07/13/2021	Christine Tischer
07/16/2021	Shannan Shaffer
07/19/2021	Shannan Shaffer
07/23/2021	Shannan Shaffer
07/27/2021	Shannan Shaffer
07/30/2021	Shannan Shaffer
08/02/2021	Shannan Shaffer
08/06/2021	Shannan Shaffer
08/09/2021	Shannan Shaffer
08/13/2021	Shannan Shaffer
08/16/2021	Christine Tischer
08/20/2021	Shannan Shaffer
08/23/2021	Christine Tischer
08/27/2021	Shannan Shaffer
08/31/2021	Christine Tischer
09/03/2021	Shannan Shaffer
09/10/2021	Shannan Shaffer
09/15/2021	Christine Tischer

No least Bell's vireos were documented on the Project site during the focused breeding season surveys during the third quarter of 2021. The least Bell's vireo breeding season survey reports for July, August, September 2021 are included in Appendix A.

Reports of least Bell's vireo sightings on August 1 and 8, 2021, were received by ECORP from a local resident birder that frequents the site for recreation. Both observations were of vocalizing individuals. On August 16 and 19, 2021, individual least Bell's vireos were observed foraging within the on-site habitat restoration areas by Designated Biologists monitoring on-site habitat restoration activities. It is unknown if all the observations in August 2021 were of the same individual or different individuals. Given the timing of the observations, it is not likely that the individuals were engaged in breeding activities at the Project site. The observations of the least Bell's vireo individuals were submitted to the California Natural Diversity Database (CNDDDB) on August 23, 2021. Copies of the CNDDDB submissions are included as Appendix B in compliance with Condition 6.9 of the ITP.

No breeding least Bell's vireos were documented at the Project site during the 2021 season. Weekly focused breeding season surveys for least Bell's vireo will resume in March 2022 to support ongoing habitat restoration activities occurring at the Project site.

## **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."

Devil's Gate Reservoir Restoration Project  
Third Quarter 2021 Compliance Report

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."

Daily monitoring of construction activities by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site. 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>
07/01/2021	Verity Richardson	Michael Walsh
07/02/2021	No Work - Holiday	Michael Walsh
07/03/2021	No Work - Weekend	Margie Pfeffer
07/05/2021	No Work - Holiday	No Work - Holiday
07/06/2021	Carley Lancaster & Adam Schroeder	Michael Walsh
07/07/2021	Verity Richardson	Scott Werner
07/08/2021	Verity Richardson	Michael Walsh
07/09/2021	Verity Richardson	Michael Walsh
07/12/2021	Jill Coumoutso*	Michael Walsh
07/13/2021	Jill Coumoutso*	Michael Walsh
07/14/2021	Max Murray	Scott Werner
07/15/2021	Verity Richardson	Michael Walsh
07/16/2021	Verity Richardson	Michael Walsh
07/19/2021	Max Murray	Scott Werner
07/20/2021	Adam Schroeder	Amy Plesetz
07/21/2021	Max Murray	Amy Plesetz
07/22/2021	Verity Richardson	Michael Walsh
07/23/2021	Verity Richardson	Michael Walsh
07/26/2021	Adam Schroeder & Carley Lancaster	Michael Walsh
07/27/2021	Adam Schroeder & Taylor Dee*	Michael Walsh
07/28/2021	Adam Schroeder & Carter Warwick	Scott Werner
07/29/2021	Verity Richardson & Carter Warwick	Michael Walsh
07/30/2021	Verity Richardson	Michael Walsh
08/02/2021	Adam Schroeder & Carter Warwick	Michael Walsh
08/03/2021	Jill Coumoutso*	Michael Walsh
08/04/2021	Verity Richardson	Scott Werner
08/05/2021	Verity Richardson	Michael Walsh
08/06/2021	Verity Richardson	Michael Walsh
08/09/2021	Jill Coumoutso*	Michael Walsh
08/10/2021	Max Murray	Scott Werner
08/11/2021	Max Murray	Michael Walsh
08/12/2021	Lauren Simpson*	Michael Walsh
08/13/2021	Jill Coumoutso*	Michael Walsh
08/16/2021	Verity Richardson	Scott Werner
08/17/2021	Verity Richardson	Michael Walsh
08/18/2021	Taylor Dee*	Michael Walsh
08/19/2021	Lauren Simpson*	Michael Walsh
08/20/2021	Adam Schroeder	Michael Walsh
08/23/2021	Verity Richardson	Michael Walsh
08/24/2021	Verity Richardson	Michael Walsh
08/25/2021	Jill Coumoutso*	Scott Werner
08/26/2021	Verity Richardson	Michael Walsh

**Table 2. Monitors Onsite During Work Days.**

Date	Construction Monitors	Restoration Monitors
08/27/2021	Verity Richardson	Michael Walsh
08/30/2021	Adam Schroeder	Michael Walsh
08/31/2021	Jill Coumoutso*	Michael Walsh
09/01/2021	Jill Coumoutso*	Amy Plesetz
09/02/2021	Christine Tischer*	Michael Walsh
09/03/2021	Christine Tischer*	Michael Walsh
09/06/2021	No Work - Holiday	No Work - Holiday
09/07/2021	Shannan Shaffer*	Michael Walsh
09/08/2021	Shannan Shaffer*	Scott Werner
09/09/2021	Jill Coumoutso*	Michael Walsh
09/10/2021	Jill Coumoutso*	Michael Walsh
09/13/2021	Jill Coumoutso*	Michael Walsh
09/14/2021	Taylor Dee*	Michael Walsh
09/15/2021	Verity Richardson	Amy Plesetz
09/16/2021	Verity Richardson	Michael Walsh
09/17/2021	Verity Richardson	Michael Walsh
09/20/2021	No Work	Michael Walsh
09/21/2021	No Work	Michael Walsh
09/22/2021	No Work	Scott Werner
09/23/2021	No Work	Michael Walsh
09/24/2021	No Work	Michael Walsh
09/27/2021	No Work	Michael Walsh
09/28/2021	Verity Richardson	Michael Walsh
09/29/2021	Verity Richardson	Amy Plesetz
09/30/2021	Verity Richardson	Michael Walsh

\* = LBVI approved biologist

## 2.3 Project Construction Activities

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

- Project construction activities continued from July 1, 2021 through September 30, 2021.
- Sediment removal hauling activities were completed for the Project on August 10, 2021.
- Project demobilization activities occurred from August 11 through September 30, 2021
- 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.
- Environmentally Sensitive Area (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.

- Project demobilization activities included establishing side slopes around the Project boundaries, ESA fence removal, removal of construction and staging materials, removal of construction equipment, establishing permanent haul roads, removing the tire washes, removing scales and scale houses, removing project trailers, removing sound wall and fencing, and installing a permanent chain link fence.

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:

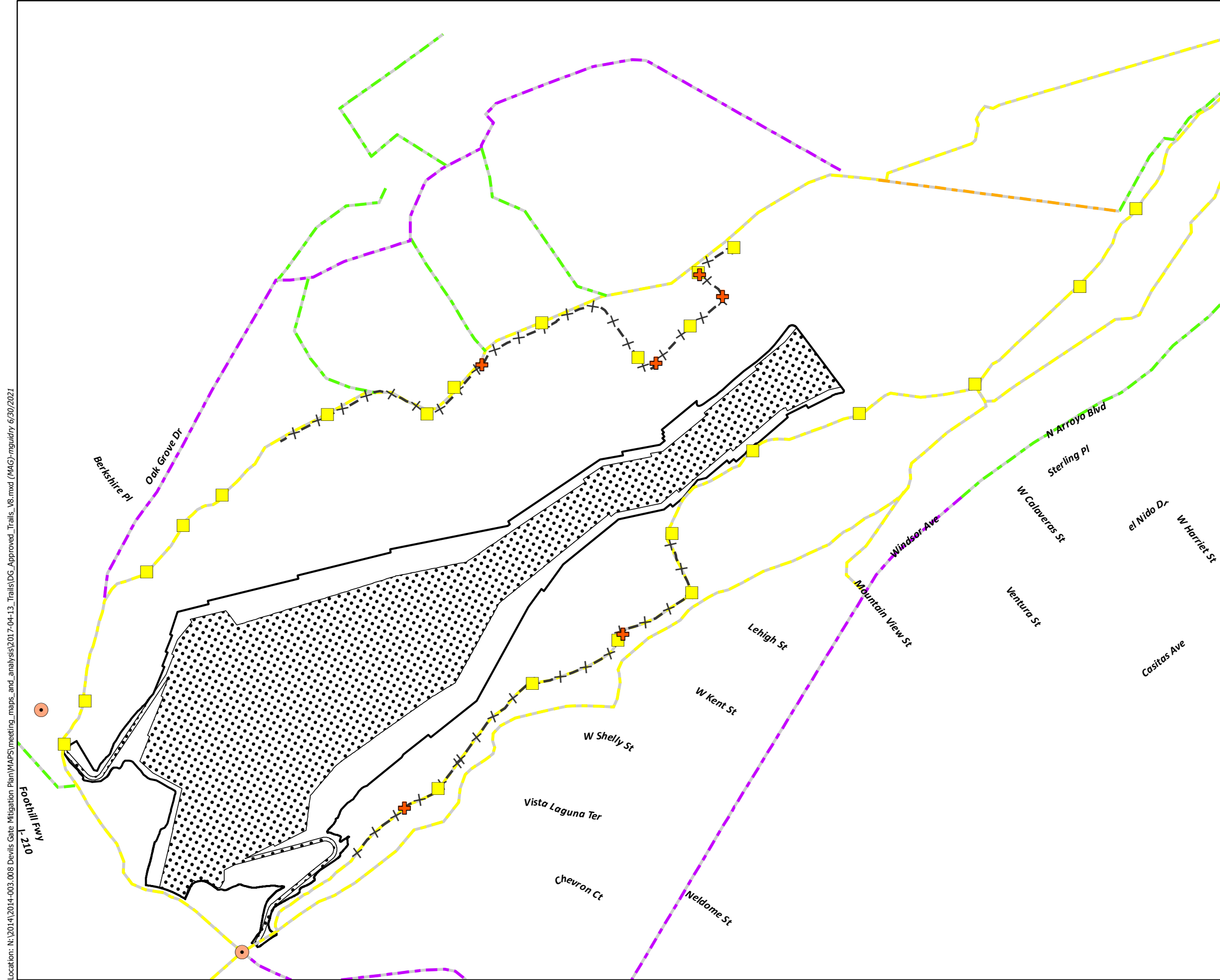
- Restoration activities continued from July 1, 2021 through September 30, 2021.
- Low-growing non-native plants including perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), lamb's quarters (*Chenopodium album*), feathered geranium (*Dysphania botrys*), Jesuit's tea (*D. ambrosioides*), Tasmanian goosefoot (*D. pumilio*), common passion flower (*Passiflora caerulea*), pigweed (*Alternanthera philoxeroides*), wild radish (*Raphanus sativus*), jointed charlock (*R. raphanistrum*), poison hemlock (*Conium maculatum*), petty surge (*Euphorbia peplus*), prickly lettuce (*Lactuca serriola*), eucalyptus (*Eucalyptus sp.*) sprouts, short podded mustard (*Hirschfeldia incana*), sand plantain (*Plantago arenaria*), English plantain (*Plantago lanceolata*), mullein (*Verbascum sp.*), white horehound (*Marrubium vulgare*), tree tobacco (*Nicotiana glauca*), castor bean (*Ricinus communis*), tree of heaven (*Ailanthus altissima*), sweetclover (*Melilotus albus*), fig (*Ficus carica*), tocalote (*Centaurea melitensis*), Shamel ash (*Fraxinus uhdei*), Jerusalem thorn (*Parkinsonia aculeata*), tumbleweed (*Amaranthus albus*), tamarisk (*Tamarix sp.*), Peregrine saltbush (*Atriplex suberecta*), flax-leaved horseweed (*Erigeron bonariensis*), dog fennel (*Anthemis cotula*), and Italian thistle (*Carduus pycnocephalus*) were removed from DG-W-1, DG-W-2, DG-W-2 Mining Pit and Mining Pit Outlet DG-2, DG-2 New Channels, DG-2-WOUS, DG-2B, DG-3A, DG-3B, DG-4, DG-4-WOUS, DG-4A, DG-4C, DG-4 Drainage, DG-4 Sheet flow, DG-5, 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.
- Silt fencing was installed around DG-3A at Alta Dena drain to help prevent snake mortalities during use of the haul road.
- Wooden post barrier fencing was installed around the restoration areas using an auger attachment to a mini-excavator. ESA signage was installed onto the barrier posts at regular intervals around the restoration areas. The locations of the barrier fencing and ESA signage are depicted in Figure 2-1.

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

### Figure 2-1 Proposed Trail Map

**Map Features**

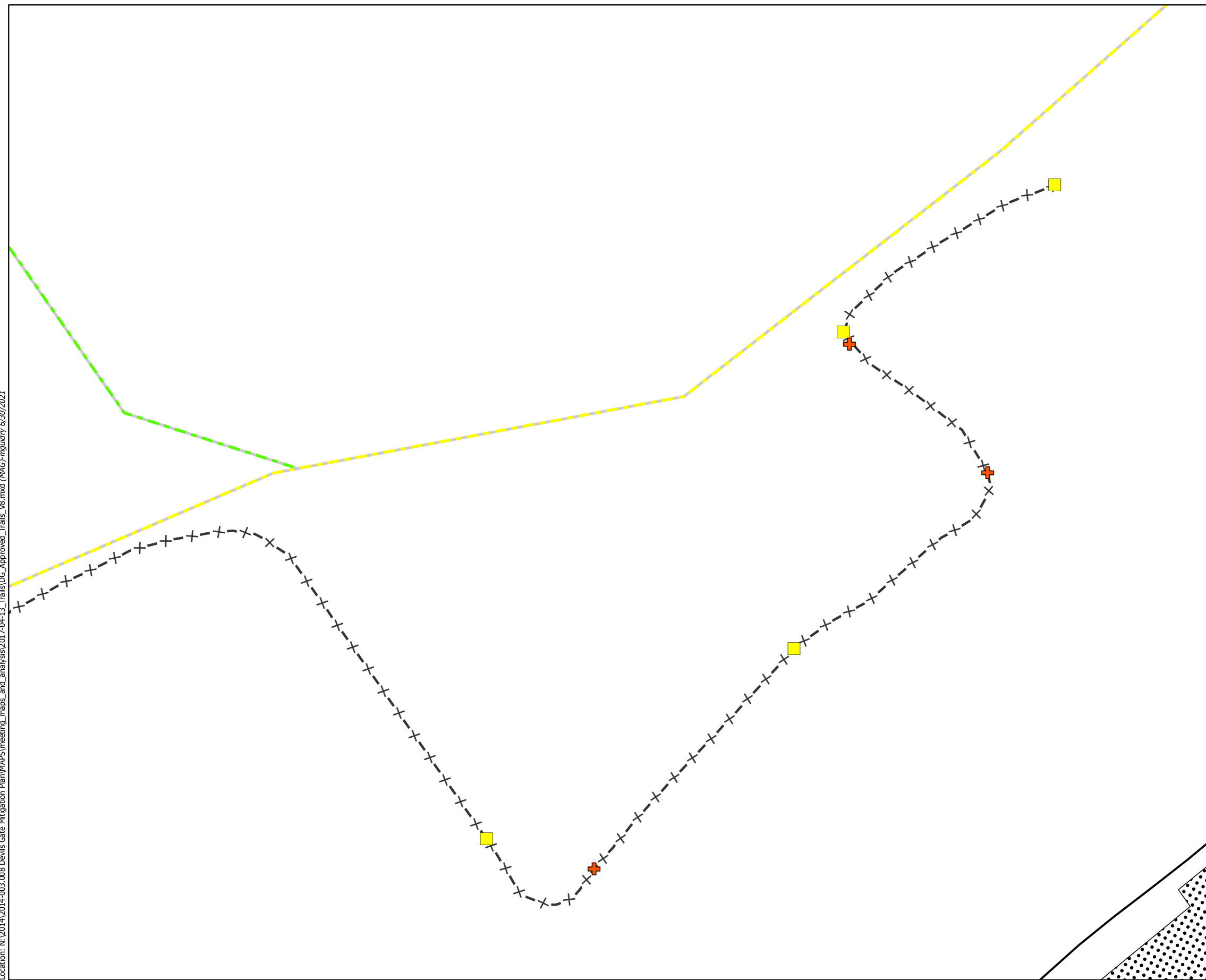
- Final Design Boundary
  - Routine Annual Maintenance Area
  - Arroyo Seco Trail
  - Seasonal Trail
  - Bike Trail
  - Other Trail
  - Proposed Park Access Sign Location
  - Proposed ESA Sign Location
  - Quick Release Maintenance Vehicle Access
  - Proposed Site Protection Fencing (5,030 ft.)
- 
- 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-East Trail 1            |
| DG-3A                 | DG-East Trail 2            |
| DG-3B                 | DG-East Trail 3            |
| DG-4                  | DG-East Trail 4            |
| DG-4 Drainage         | DG-SF-1                    |
| DG-4 Sheetflow        | DG-SF-2                    |
| DG-4 WOUS             | DG-W-1 (Johnson Field)     |
| DG-4 WOUS Connections | DG-W-2 (Mining Pit)        |
|                       | DG-W-2 (Mining Pit Outlet) |



Location: N:\2014\2014-003.008 Devils Gate Mitigation Plan\MAPS\meeting\_maps\_and\_analysis\2017-04-13\_Trails\DG\_Approved\_Trails\_V8.mxd (MAG) mgridry 6/30/2021



Location: N:\2014\2014-003.008 Devil's Gate Mitigation Plan\MAPS\meeting\_maps\_and\_analysis\2017-04-13\_Trails\DG\_Approved\_Trails\_V8.mxd (MAG) mguidry 6/30/2021



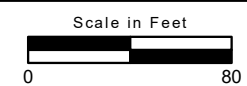
### Figure 2-1 Proposed Trail Map

**Map Features**

- Final Design Boundary
- Routine Annual Maintenance Area
- Arroyo Seco Trail
- Other Trail
- Proposed ESA Sign Location
- Quick Release Maintenance Vehicle Access
- Proposed Site Protection Fencing (5,030 ft.)

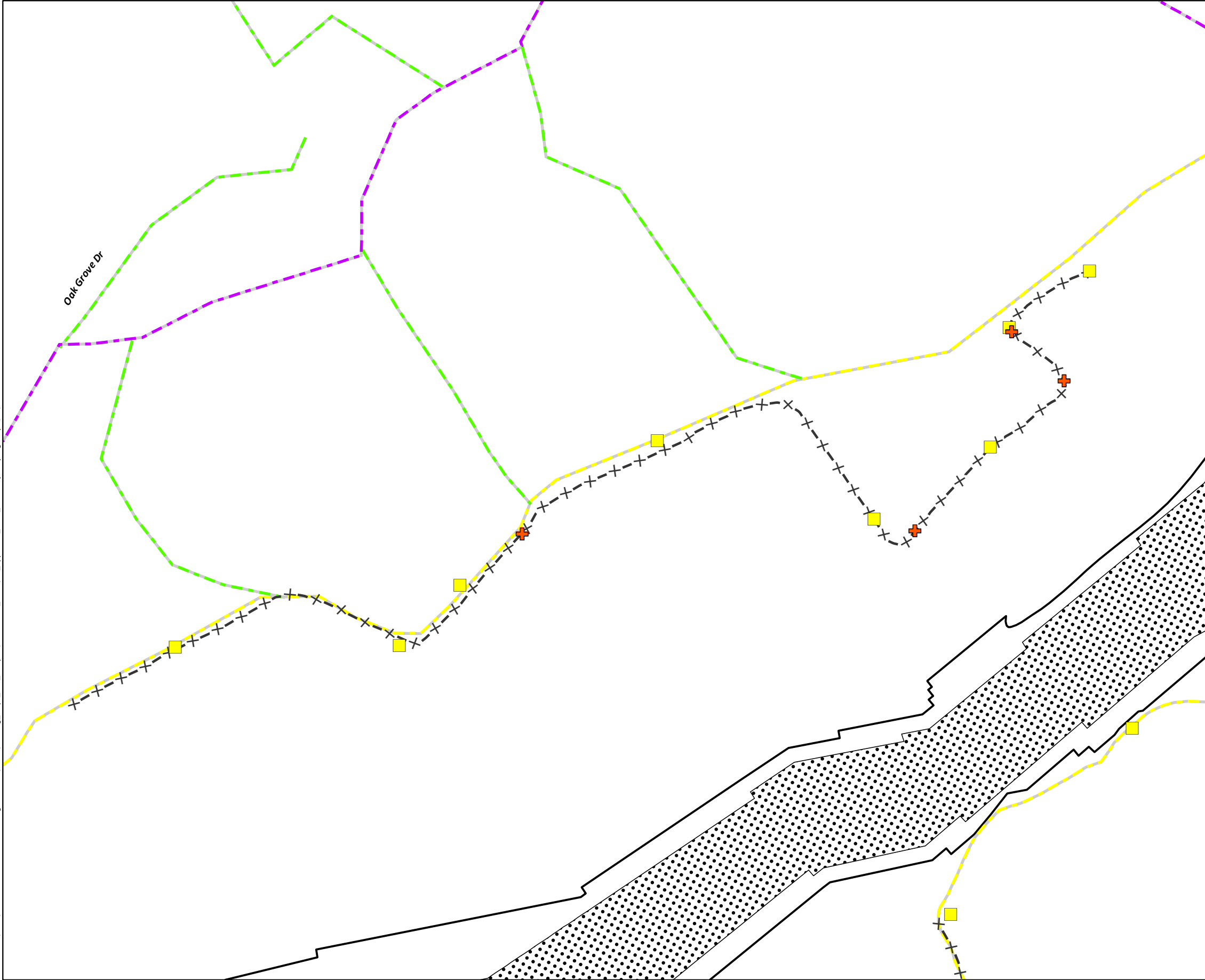
**Mitigation Areas**

- DG-4
- DG-4A
- DG-4C
- DG-7 (Temp Impacts)
- DG-W-2 (Mining Pit)





**Figure 2-1  
Proposed Trail Map**



**Map Features**

- Final Design Boundary
- Routine Annual Maintenance Area
- Arroyo Seco Trail
- Bike Trail
- Other Trail
- Proposed ESA Sign Location
- Quick Release Maintenance Vehicle Access
- Proposed Site Protection Fencing (5,030 ft.)

**Mitigation Areas**

- DG-1
- DG-2
- DG-4
- DG-4 Drainage
- DG-4 Sheetflow
- DG-4 WOUS
- DG-4 WOUS Connections
- DG-4A
- DG-4B
- DG-4C
- DG-5
- DG-7 (Temp Impacts)
- DG-8 (Temp Impacts)
- DG-East Trail 4
- DG-SF-1
- DG-SF-2
- DG-W-1 (Johnson Field)
- DG-W-2 (Mining Pit)
- DG-W-2 (Mining Pit Outlet)

Location: N:\2014\2014-003.008 Devil's Gate Mitigation Plan\MAPS\meeting\_maps\_and\_analysis\2017-04-13\_Trails\DG\_Approved\_Trails\_V8.mxd (MAG) mxd 6/30/2021



### **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 to December 31, 2021.

### **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
<b>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2021 third quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2021 third quarter reporting period. See Table 2 for details.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 pandemic, the initial 2021 worker education training was provided for project personnel to view electronically prior to the start of Project activities on April 19, 2021. 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 2021 third quarter reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/18 - 11/27/18, 3/15/19 - 4/14/19, 3/1/20 – 5/19/20, 3/17/21-3/29/21	Preconstruction surveys for sensitive species were conducted by qualified biologists on March 17, 24, 25, 26, and 29, 2021. Preconstruction least Bell's vireo surveys were completed during the second quarter of 2021 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 2021. No preconstruction surveys took place during the third quarter of 2021.
<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	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
<p>boundaries of the project.</p> <p>Prior to commencement of sediment removal activities within bird breeding season (March 1-August 31), a preconstruction bird nesting survey shall be conducted by a qualified biologist for the presence of any nesting bird within 300 feet of the construction work area. The surveys shall be conducted 30 days prior to the disturbance of suitable nesting habitat by a qualified biologist with experience in conducting nesting bird surveys. The surveys shall continue on a weekly basis with the last survey being conducted no more than three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.</p> <p>If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.</p>	<p>Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Reservoir Management</p>				<p>3/1/21 – 4/16/21</p>	<p>during the second quarter of 2021. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project and restoration activities daily during the nesting season during the third quarter 2021 reporting period.</p>
<p><b>MM BIO – 5:</b> Within 30 days prior to commencement of vegetation or structure removal activities, a preconstruction bat survey shall be conducted by a qualified biologist for the presence of any roosting bats. Acoustic recognition technology shall be used if feasible and appropriate. If either a bat maternity roost or hibernacula (structures used by bats for hibernation) are present, a qualified biologist will develop and implement appropriate protection measures for that maternity roost or hibernacula. These protection measures shall include, as appropriate: safely evicting non-breeding bat hibernacula, establishment of avoidance buffers, or replacement of roosts at a suitable location. These measures shall also include as appropriate:</p> <ul style="list-style-type: none"> <li>To the extent feasible, trees that have been identified as roosting sites shall be removed or relocated between October 1 and February 28.</li> <li>When trees must be removed during the maternity roost season (March 1 to September 30), a qualified bat specialist shall conduct a preconstruction survey to identify those trees proposed for disturbance that could provide hibernacula or nursery colony roosting habitat for bats.</li> <li>Trees identified as potentially supporting an active nursery roost shall be inspected by a qualified biologist no greater than seven days prior to tree disturbance to determine presence or absence of roosting bats.</li> <li>Trees determined to support active maternity roosts will be left in place until the end of the maternity season (September 30).</li> <li>If bats are not detected in a tree, but the qualified biologist determined that roosting bats may still be present, trees shall be removed as follows: <ul style="list-style-type: none"> <li>Pushing the tree down with heavy machinery instead of felling the tree with a chainsaw.</li> <li>First pushing the tree lightly two to three times with a pause of 30 seconds in between each nudge to allow bats to become active, and then pushing the tree to the ground slowly.</li> <li>Allowing the tree to remain in place for 24 to 48 hours until inspected by the qualified biologist for presence or absence of roosting bats.</li> </ul> </li> </ul> <p>The qualified biologist shall document all bat survey, monitoring, and protection measure activities and prepare a summary report for LACFCD.</p>	<p>Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/06/2018 – 11/08/2018</p>	<p>Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2021 third quarter reporting period.</p>
<p><b>MM BIO – 6:</b> Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub.</li> <li>Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will</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> </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</li> </ul>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/19/18 - ongoing</p>	<p>Restoration activities were continued during the 2021 third quarter reporting period.</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
<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. 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>	<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>	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

**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>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>	<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>					<p>measure were required during the 2021 third quarter reporting period. Restoration activities were continued during the 2021 third quarter reporting period.</p>
<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	<p>Restoration activities were continued during the 2021 third quarter reporting period.</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
<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 2021

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 Breeding Season Survey Reports – July through September 2021

August 23, 2021  
(2018-047.026/004)

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: July 2021 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 July 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were initiated. Sediment removal activities were ongoing in July 2021.

## **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**

Nine focused breeding season surveys for least Bell's vireo were conducted during July 2021. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
07/02/21	SS	0550	1049	65	74	5	35	1-3	3-5
07/06/21	SS	0600	1100	63	76	30	0	1-3	3-5
07/09/21	SS	0602	1100	69	84	0	10	1-3	3-5
07/13/21	CT	0615	0915	70	82	85	85	0-1	0-1
07/16/21	SS	0601	1100	65	78	100	10	1-3	3-5
07/19/21	SS	0610	1100	72	80	0	10	0-1	3-5
0723/21	SS	0555	1100	68	80	90	20	1-3	4-7
07/27/21	SS	0610	1100	64	76	75	0	1-3	3-5
07/30/21	SS	0610	1100	67	81	40	20	1-3	3-5

CT = Christine Tischer, SS = Shannan Shaffer,

No least Bell's vireos were detected during the July 2021 breeding season surveys.

Brown-headed cowbirds were not observed during the July 2021 breeding season surveys.

## **DISCUSSION**

Nine focused breeding season surveys for least Bell's vireo conducted in July 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. Twice-weekly focused breeding

<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.

season surveys at the Project site will continue until the end of the breeding season (September 15).

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: August 23, 2021

**Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Jul 2, 2021, 10:50:20 AM

Survey Date

**Jul 2, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**05:50**

Start Temperature

**65**

Start Wind Speed

**1-3**

Start Cloud Cover

**5**

End Time

**10:49**

End Temperature

**74**

End Wind Speed

**3-5**

End Cloud Cover

**35**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CORA, CALT, BUSH, NUWO, coyote, WREN, ANHU, COYE, BGGN, parrots, RTHA, CAQU, LEGO, HOFI, ACWO, NOMO, CASJ, AMCR, western fence lizard, common side-blotched lizard, AMRO, MALL, CATH, WTSW, KILL, C OHA, TUVU**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 6, 2021, 11:57:02 AM

Survey Date

**Jul 6, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:00**

Start Temperature

**63**

Start Wind Speed

**1-3**

Start Cloud Cover

**30**

End Time

**11:00**

End Temperature

**76**

End Wind Speed

**3-5**



End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ACWO, CAQU, CORA, HOFI, CALT, BUSH, LEGO, NUWO, parrots, CASJ, HOOR, SPTO, EUST, MODO, SOSP, COHA, coyote, CAKI, AMCR, ANHU, RTHA, BLPH, BEWR, PSFL, CATH, NOMO, NRWS, WTSW, western fence lizard, ALHU, desert cottontail, TUVU**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 9, 2021, 11:07:08 AM

Survey Date

**Jul 9, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:02**

Start Temperature

**69**

Start Wind Speed

**1-3**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**84**

End Wind Speed

**3-5**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT, ACWO, parrot, CORA, HOFI, LEGO, BUSH, AMRO, ANHU, coyote, BLPH, CAQU, MODO, desert cottontail, SPTO, NOMO, COHA, TUVU, RTHA, MALL, CASJ, CATH, AMCR, WTSW, SOSP, WREN, NUWO, western fence lizard, common side-blotched lizard**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 4, 2021, 3:07:36 PM

Survey Date

**Jul 13, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:15**

Start Temperature

**70**

Start Wind Speed

**0-1**

Start Cloud Cover

**85**

End Time

**09:15**

End Temperature

**82**

End Wind Speed

**0-1**

End Cloud Cover

**85**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

**N/A**

Incidental Species Observed

**BUSH, HOFI, CALT, LEGO, ACWO, parrots, YWAR, coyote, COHA (at least 2 fledglings), OATI, PSFL, SPTO, WT SW, CA ground squirrel, SOSP, BEWR, CATH, ATFL, COYE, desert cottontail, ALHU, CORA, cabbage white, MO DO, WREN, BASW, BHGR, ANHU, NUWO, BTPI, BGGN, CAQU, CASJ, common white, western fence lizard, NO MO, carpenter bee, western tiger swallowtail, and side-blatched lizard (lots newly hatched),**

Additional Notes

**Humid!!! Low bird activity.**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 16, 2021, 11:49:45 AM

Survey Date

**Jul 16, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:01**

Start Temperature

**65**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**11:00**

End Temperature

**78**

End Wind Speed

**3-5**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT, CORA, HOFI, BUSH, ACWO, NUWO, ANHU, coyote, LEGO, BLPH, CAQU, CASJ, NOMO, MODO, SOSP, WREN, AMCR, TUVU, RTHA, western fence lizard, SPTO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 19, 2021, 1:08:22 PM

Survey Date

**Jul 19, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:10**

Start Temperature

**72**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**80**

End Wind Speed

**3-5**



End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT, parrot, desert cottontail, HOFI, WREN, SPTO, COYE, LEGO, CAQU, CASJ, NOMO, BUSH, SOSP, COHA, T UVU, western fence lizard, BLPH, NRWS, WTSW, ANHU, MODO, ACWO, eastern fox squirrel**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 23, 2021, 1:15:25 PM

Survey Date

**Jul 23, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**05:55**

Start Temperature

**68**

Start Wind Speed

**1-3**

Start Cloud Cover

**90**

End Time

**11:00**

End Temperature

**80**

End Wind Speed

**4-7**

End Cloud Cover

**20**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**SOSO, CALT, BEWR, ANHU, AMCR, NOMO, CAQU, EUST, WREN, ROPI, HOFI, BUSH, ACWI, LEGO, BLPH, coyote, NRWS, MODO, WTSW, ANHU, CORA, PSFL, BUOR, SPTO, COYE, PHAI, SOSP, NUWO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 27, 2021, 12:03:55 PM

Survey Date

**Jul 27, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:10**

Start Temperature

**64**

Start Wind Speed

**1-3**

Start Cloud Cover

**75**

End Time

**11:00**

End Temperature

**76**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**ANHU, ACWO, CALT, CORA, AMCR, NOMO, HOFI, LEGO, BUSH, BLPH, CASJ, parrot, CA ground squirrel, desert cottontail, SPTO, TUVU, RTHA, BEWR, CAQU, western fence lizard, common side-blotched lizard, NUWO, ALHU, AMRO, SPSP, EUST, CATH, BGGN, MODO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Jul 30, 2021, 11:48:01 AM

Survey Date

**Jul 30, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:10**

Start Temperature

**67**

Start Wind Speed

**1-3**

Start Cloud Cover

**40**

End Time

**11:00**

End Temperature

**81**

End Wind Speed

**3-5**

End Cloud Cover

**20**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CASJ, CALT, coyote, CORA, SPTO, HOFI, LEGO, BUSH, CAQU, ANHU, desert cottontail, ACWO, EUST, MODO, COHA, western fence lizard, BLPH, AMCR, BEWR, WREN, NOMO**

Log Completed?

**Yes**

September 17, 2021  
(2018-047.026/004)

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

**Subject: August 2021 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 August 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were initiated. Sediment removal activities were completed on August 10, 2021 and site demobilization activities continued through the end of August 2021.



## **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**

Nine focused breeding season surveys for least Bell's vireo were conducted during August 2021. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
08/02/2021	SS	0610	1054	69	83	0	0	0-1	0-1
08/06/2021	SS	0616	1055	68	79	5	0	0-1	3-5
08/09/2021	SS	0615	1100	65	73	0	0	1-3	3-5
08/13/2021	SS	0615	1100	67	83	0	0	0-1	3-5
08/16/2021	CT	0640	1000	69	86	0	27	0-1	1-3
08/20/2021	SS	0631	1059	61	68	90	75	1-3	1-3
08/23/2021	CT	0915	1100	67	77	10	10	1-2	1-3
08/27/2021	SS	0625	1100	67	87	10	0	0-1	1-3
08/31/2021	CT	0645	1020	68	72	95	98	0-1	1-2

CT = Christine Tischer, SS = Shannan Shaffer,

No least Bell's vireos were detected during the August 2021 breeding season surveys.

Reports of least Bell's vireo sightings on August 1 and 8, 2021, were received by ECORP from a local resident birder that frequents the site for recreation. Both observations were of vocalizing individuals. On August 16 and 19, 2021, individual least Bell's vireos were observed foraging within the on-site habitat restoration areas by Designated Biologists monitoring on-site habitat restoration activities. It is unknown if all the observations in August 2021 were of the same

<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.

individual or different individuals. Given the timing of the observations, it is not likely that the individuals were engaged in breeding activities at the Project site.

Brown-headed cowbirds were not observed during the August 2021 breeding season surveys.

## **DISCUSSION**

Nine focused breeding season surveys for least Bell's vireo conducted in August 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. Individual observations of least Bell's vireo were made at the Project site by a local resident as well as Designated Biologists monitoring on-site habitat restoration activities during August 2021. These observations were isolated and did not indicate breeding of least Bell's vireo during the 2021 season. Weekly focused breeding season surveys at the Project site will continue until the end of the breeding season (September 15).

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: September 17, 2021

### **Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Aug 2, 2021, 10:55:04 AM

Survey Date

**Aug 2, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:10**

Start Temperature

**69**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**10:54**

End Temperature

**83**

End Wind Speed

**0-1**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**BUSH, CALT, CA ground squirrel, ACWO, WREN, M9DI, BLPH, AMCR, CASJ, CAQU, LEGO, HOFI, BEWR, desert cottontail, NOMO, MALL, RTHA, CORA, western whiptail, western fence lizard, coyote, ANHU, SOSPO, SPTO, Y EWA, COHA, NRWS**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 6, 2021, 11:45:16 AM

Survey Date

**Aug 6, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:16**

Start Temperature

**68**

Start Wind Speed

**0-1**

Start Cloud Cover

**5**

End Time

**10:55**

End Temperature

**79**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT, COYE, BUSH, ANHU, SOSP, MODO, coyote, CAQU, ACWO, HOFI, LEGO, AMCR, EUST, desert cottontail, CA ground squirrel, BEWR, CASJ, western fence lizard, SPTO, CAKI**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 9, 2021, 2:43:01 PM

Survey Date

**Aug 9, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:15**

Start Temperature

**65**

Start Wind Speed

**1-3**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**73**

End Wind Speed

**3-5**



End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CORA, ACWO, parrots, NRWS, BLPH, BUSH, HOFI, MODO, CAQU, SPTO, ANHU, coyote, desert cottontail, LEG O, CASJ, CALT, RTHA, TUVU, western fence lizard, BEWR, WREN, COHA, EUST, alligator lizard**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 13, 2021, 12:00:19 PM

Survey Date

**Aug 13, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:15**

Start Temperature

**67**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**11:00**

End Temperature

**83**

End Wind Speed

**3-5**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**AMCR, coyote, desert cotyontail, CASJ, CAQU, ACWO, LEGO, HOFI, MODO, CATH ANHU, SOSP, BLPH, CAKI, WREN, RTHA, TUVU, CORA, CALT, NOMO, western fence lizard, CA ground squirrel,**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 19, 2021, 7:40:33 PM

Survey Date

**Aug 16, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:40**

Start Temperature

**69**

Start Wind Speed

**0-1**

Start Cloud Cover

**0**

End Time

**10:00**

End Temperature

**86**

End Wind Speed

**1-3**

End Cloud Cover

**25**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Locations

Incidental Species Observed

**BUSH, parrots, BGGN, CORA, ACWO, NUWO, CAQU, ANHU, CALT, OATI, MODO, BEWR, CASJ, CATH, SPTO, WREN, BASW, HOFI, valley carpenter bee, YWAR (×6), SOSP, cottontail, AMCR, eastern fox squirrel, LEGO, BLP H, western fence lizard, hornet nest (underground burrow), checkered white, BTPI, ECDO, WTSW, checkered skipper, western tiger swallowtail, gulf fritillary**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 20, 2021, 11:05:48 AM

Survey Date

**Aug 20, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:31**

Start Temperature

**61**

Start Wind Speed

**1-3**

Start Cloud Cover

**90**

End Time

**10:59**

End Temperature

**68**

End Wind Speed

**1-3**

End Cloud Cover

**75**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**MODO, CAQU, AMCR, CALT, HOFI, CASJ, NOMO, coyote, LEGO, ANHU, ACWO, CAKI, RTHA, NRWS, BLPH, SP TO, BEWR, desert cottontail, WTSW, COHA**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 23, 2021, 3:25:26 PM

Survey Date

**Aug 23, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**09:15**

Start Temperature

**67**

Start Wind Speed

**1-2**

Start Cloud Cover

**10**

End Time

**11:00**

End Temperature

**77**

End Wind Speed

**1-3**



End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**ANHU, CASJ, BEWR, NUWO, CATH, ACWO, western fence lizard, HOFI, LEGO, WREN, CALT, CORA, BUSH, BGN, ALHU, CA ground squirrel, Eastern fox squirrel, western tiger swallowtail, gulf fritillary, coyote (s), carpenter bee, honeybee, cabbage white, ATFL, CAQU, BASW, MODO, side-blotched lizard, common white, YWAR (1), PSFL (1), domestic horse (2 riders in wash north of project), desert cottontail (s), TUVU (flyover), RSHA, SPTO, SOSP, parrots**

Additional Notes

**Completed initial loop of riparian at 10:45. 2nd loop of western riparian completed at 11:20 (79°F, 15% cloud cover, 2-4 mph winds).**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 27, 2021, 11:23:38 AM

Survey Date

**Aug 27, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:25**

Start Temperature

**67**

Start Wind Speed

**0-1**

Start Cloud Cover

**10**

End Time

**11:00**

End Temperature

**87**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CALT, SPTO, CASJ, SOSP, BEWR, ANHU, BLPH, ACWO, desert cottontail, CORA, NRWS, COHA, WTSW, LEGO, HOFI, NOMO, MODO, BEWR, BUSH, western fence lizard, alligayor lizard, CA ground squirrel, CATH, CAQU**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Aug 31, 2021, 10:24:09 AM

Survey Date

**Aug 31, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:45**

Start Temperature

**68**

Start Wind Speed

**0-1**

Start Cloud Cover

**95**

End Time

**10:20**

End Temperature

**72**

End Wind Speed

**1-2**

End Cloud Cover

**98**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**OATI, CAQU, NUWO, ACWO, CATH, BUSH, DEJU, CALT, MODO, AMCR, parrots, SPTO, ANHU, LEGO, CASJ, cottontail, WREN, SOSP, COYE, HOFI, KILL, RSHA, CORA, RTHA, E fox squirrel, BEWR, BLPH, CA ground squirrel, I. BTPI, AMKE, BASW, BGGN, SP rattlesnake**

Additional Notes

**Spring/summer migrants have moved on. Fall/winter migrants have yet to arrive.**

**Spoke to 1 man with medium black and white dog about not breaking the native willow vegetation to use as a picnic area. Between DG4 and DG4A. Reported to Parks and Rec who happened to be driving by who said they would go follow up.**

Log Completed?

**Yes**



September 24, 2021  
(2018-047.026/004)

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

**Subject: September 2021 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. Hala,

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 September 2021 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."

Twice-weekly least Bell's vireo surveys per Section 7 began on April 20, 2021 after preconstruction least Bell's vireo surveys were completed, and sediment removal activities were initiated and were completed by August 31, 2021, after which weekly surveys were conducted through September 15, 2021 per the ITP. Sediment removal activities were completed on August 10, 2021 and site demobilization activities continued through the end of September 2021.

## **SURVEY METHODS**

Focused breeding season surveys for least Bell's vireo in September were conducted in compliance with ITP Condition 7.3.4 for Project activities that are to occur during the vireo's breeding season (March 1 to September 15). 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**

Three focused breeding season surveys for least Bell's vireo were conducted during September 2021. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
09/03/2021	SS	0630	1102	60	74	40	0	0-1	0-1
09/10/2021	SS	0639	1050	70	84	75	10	1-3	1-3
09/15/2021	CT	0600	1025	60	75	100	0	1-3	1-3

CT = Christine Tischer, SS = Shannan Shaffer.

No least Bell's vireos were detected during the September 2021 breeding season surveys.

Brown-headed cowbirds were not observed during the September 2021 breeding season surveys.

## **DISCUSSION**

Three focused breeding season surveys for least Bell's vireo conducted in September 2021 did not detect least Bell's vireo in or within 500 feet of the Project site. September 15, 2021 marked the end of the 2021 breeding season. No breeding least Bell's vireos were documented at the Project site during the 2021 season.

Weekly focused breeding season surveys for least Bell's vireo will resume in March 2022 to support ongoing habitat restoration activities occurring at the Project site.

<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: September 24, 2021

**Attachments:**

Attachment A: Survey Datasheets



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**ATTACHMENT A**

Survey Datasheets

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

Submitted by: SoCal\_Bio

Submitted time: Sep 3, 2021, 11:07:15 AM

Survey Date

**Sep 3, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:30**

Start Temperature

**60**

Start Wind Speed

**0-1**

Start Cloud Cover

**40**

End Time

**11:02**

End Temperature

**74**

End Wind Speed

**0-1**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CAQU, MODO, ACWO, HOFI, CAKI, CALT, BUSH, CASJ, LEGO, ANHU, NOMO, BLPH, common side-blotched lizard, desert cottontail, western fence lizard, parrot, RTHA, YEWA, AMKE, WTSW, CA ground squirrel, WREN, alligator lizard, BEWR**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Sep 10, 2021, 10:57:25 AM

Survey Date

**Sep 10, 2021**

Observer Name

**Shannan Shaffer**

Survey Conditions

Start Time

**06:39**

Start Temperature

**70**

Start Wind Speed

**1-3**

Start Cloud Cover

**75**

End Time

**10:50**

End Temperature

**84**

End Wind Speed

**1-3**

End Cloud Cover

**10**

Were Least Bell's Vireo Observed

**No**

Incidental Species Observed

**CAQU, coyote, partots, CALT, ACWO, BUSH, CATH, MODO, NUWO, OATI, AMCR, HOFI, LEGO, ANHU, CASJ, SOSP, WTEN, KILL, COHA, AMKE, desert cottontail, KILL, BGGN, CA ground squirrel, western fence lizard, eastern fox squirrel, BLPH, SPTO**

Log Completed?

**Yes**

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

Submitted by: SoCal\_Bio

Submitted time: Sep 15, 2021, 1:58:02 PM

Survey Date

**Sep 15, 2021**

Observer Name

**Christine Tischer**

Survey Conditions

Start Time

**06:00**

Start Temperature

**60**

Start Wind Speed

**1-3**

Start Cloud Cover

**100**

End Time

**22:25**

End Temperature

**75**

End Wind Speed

**1-3**

End Cloud Cover

**0**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**ACWO, parrots, ANHU, MODO, BGGN, OATI, LEGO, NUWO, WREN, COHA, BUSH, PHAI, CASJ, BEWR, WIWA, SPTO, CAQU, CALT, HOFI, AMCR, eastern fox squirrel, CA ground squirrel, BLPH, RTHA, OCWA, ALHU, SOSP, KILL, CATH, WAVI. AMKE, RSHA, CORA, COYE, coyote. ECDO, western fence lizard, desert cottontail,**

Additional Notes

**3 man crew weed whacking in basin north of Johnson field resulting in non-project related dust.**

Log Completed?

**Yes**

CNDDDB Submission of Least Bell's Vireo Observations



# CNDDDB Online Field Survey Form Report



California Natural Diversity Database  
Department of Fish and Wildlife  
1416 9th Street, Suite 1266  
Sacramento, CA 95814  
Fax: 916.324.0475  
[cnddb@wildlife.ca.gov](mailto:cnddb@wildlife.ca.gov)  
[www.dfg.ca.gov/biogeodata/cnddb/](http://www.dfg.ca.gov/biogeodata/cnddb/)



Source code WER21F0001  
Quad code 3411822  
Occ. no. \_\_\_\_\_  
EO index no. \_\_\_\_\_  
Map index no. \_\_\_\_\_

This data has been reported to the CNDDDB, but may not have been evaluated by the CNDDDB staff

**Scientific name:** *Vireo bellii pusillus*

**Common name:** least Bell's vireo

**Date of field work (mm-dd-yyyy):** 08-16-2021

**Comment about field work date(s):** Biological monitoring for restoration activities of the Devil's Gate Reservoir Project

## OBSERVER INFORMATION

**Observer:** Scott Werner

**Affiliation:**

**Address:** P.O. Box 547 , Ojai, CA 93024

**Email:** [scott@wernerbio.com](mailto:scott@wernerbio.com)

**Phone:** (805) 272-5871

**Other observers:**

## DETERMINATION

**Keyed in:**

**Compared w/ specimen at:**

**Compared w/ image in:**

**By another person:**

**Other:** Aurally (call) then visually. I have 20 years of experience with LBVI identification.

**Identification explanation:** First detected aurally (chatter call) from 100-150 feet away, then identified visually after a search.

**Identification confidence:** Very confident

**Species found:** Yes If not found, why not?

**Level of survey effort:** Biologist mostly confined to a 3 to 4 acre area around the restoration activity to detect potential bird nesting activity.

**Total number of individuals:** 1

**Collection?**

**Collection number:**

**Museum/Herbarium:**

## ANIMAL INFORMATION

**How was the detection made?** Heard calling then seen

**Number detected in each age class:**

1

adults

juveniles

larvae

egg mass

unknown

**Age class comment:** Assume adult, fairly brief observation.

**Bird site use:**

- Nesting     Rookery     Nesting colony     Burrow site     Lek  
 Non-breeding (over-wintering)     Communal roost     Other

**Site use description:** transient bird - no known nesting at this site in 2021, although active territory in 2020.

**What was the observed behavior?** Foraging, visual observation for only about 5 minutes at 1050 hrs before the bird flew away. Later heard again at 1345 but very hot day, no visual contact made that time.

**Describe any evidence of reproduction:** none

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**SITE INFORMATION**

**Habitat description:** *Salix gooddingii* Woodland Alliance. Low to moderately dense understory of willows, mule fat, poison oak, *Phacelia ramosissima*, and dead grasses/leaf litter/weeds (primarily perennial pepperweed and poison hemlock). Site condition/population viability noted as 'fair' due to only one known recent territory and temporary project-related habitat disturbances.

**Slope:** 0

**Land owner/manager:** Los Angeles County Flood Control District

**Aspect:** n/a

**Site condition + population viability:** Fair

**Immediate & surrounding land use:** Protected restoration zone in county park that includes Devil's Gate reservoir with adjacent willow forest/scrub, alluvial fan scrub, coast live oak woodland.

**Visible disturbances:** Active sediment removal zone within the reservoir 400 feet to the south. Current weed abatement (hand-pulling) effort in the area. Nearby roads.

**Threats:** Restoration zone is currently off limits but potential threats exist from unleashed dogs, off-trail hikers, disc golf, etc.

**General comments:**

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**MAP INFORMATION**



ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Los Angeles	Pasadena	1035	34.19076	-118.17638	391604	3783934	11
1	Public Land Survey	Feature Comment						
	S T01N R12W 7							

The mapped feature is accurate within: 5 m

Source of mapped feature: [Collector app](#)

Mapping notes:

Location/directions comments:

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Attachment(s):

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# CNDDDB Online Field Survey Form Report



California Natural Diversity Database  
Department of Fish and Wildlife  
1416 9th Street, Suite 1266  
Sacramento, CA 95814  
Fax: 916.324.0475  
[cnddb@wildlife.ca.gov](mailto:cnddb@wildlife.ca.gov)  
[www.dfg.ca.gov/biogeodata/cnddb/](http://www.dfg.ca.gov/biogeodata/cnddb/)



Source code WAL21F0006  
Quad code 3411822  
Occ. no. \_\_\_\_\_  
EO index no. \_\_\_\_\_  
Map index no. \_\_\_\_\_

This data has been reported to the CNDDDB, but may not have been evaluated by the CNDDDB staff

Scientific name: *Vireo bellii pusillus*

Common name: least Bell's vireo

Date of field work (mm-dd-yyyy): 08-19-2021

Comment about field work date(s):

## OBSERVER INFORMATION

Observer: michael a. walsh

Affiliation: Stillwater Sciences

Address: 2309 Reservoir St , Los Angeles, CA 90026

Email: mwalsh@stillwatersci.com

Phone: (847) 737-1815

Other observers:

## DETERMINATION

Keyed in:

Compared w/ specimen at:

Compared w/ image in:

By another person:

Other: Aurally and then visually. Individual was also likely seen 3 days prior by another biologist (Scott Werner).

Identification explanation: Heard an alarm call while surveying area, then visually identified it.

Identification confidence: Very confident

Species found: Yes If not found, why not?

Level of survey effort: casual, biologist mostly confined to a 3 to 4 acre area around a restoration site to detect potential bird nests.

Total number of individuals: 1

Collection? No

Collection number:

Museum/Herbarium:

## ANIMAL INFORMATION

How was the detection made? Heard calling then seen

Number detected in each age class:

1

adults

juveniles

larvae

egg mass

unknown

Age class comment: Assuming adult or fledged this year, slightly fluffy and disheveled feathers near white ventral area.

**Bird site use:**

- Nesting
- Rookery
- Nesting colony
- Burrow site
- Lek
- Non-breeding (over-wintering)
- Communal roost
- Other

**Site use description:** transient bird; no known nesting at this site in 2021 but active territory in 2020.

**What was the observed behavior?** Foraging. Heard an alarm call, saw bird foraging in a lone mulefat at 0930. Individual traveled roughly 30 m north through a planted area, and then 30 m east to a Salix woodland before it was lost. Roughly 30 minutes of observation total.

**Describe any evidence of reproduction:** none

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**SITE INFORMATION**

**Habitat description:** Recently planted (1 yr ago) Salix woodland (Salix sp, Baccharis pilularis, Artemisia dranunculus/douglasiana), canopy at 6-9 feet. Areas between plants filled with 6 ft high Erigeron canadensis. Also mature Salix gooddingii woodland with moderately dense understory of Phacelia ramossissima, dried weeds (Conium maculatum/Lepidium latifolium), and dried grasses. Noted as fair due to only having one known active territory in recent years and temporary project-related habitat disturbances.

**Slope:** 0

**Land owner/manager:** Los Angeles County Flood Control District

**Aspect:** N/A

**Site condition + population viability:** Fair

**Immediate & surrounding land use:** Protected restoration area in county park that includes Devil's Gate reservoir with adjacent willow forest/scrub, alluvial scrub, coast live oak woodland.

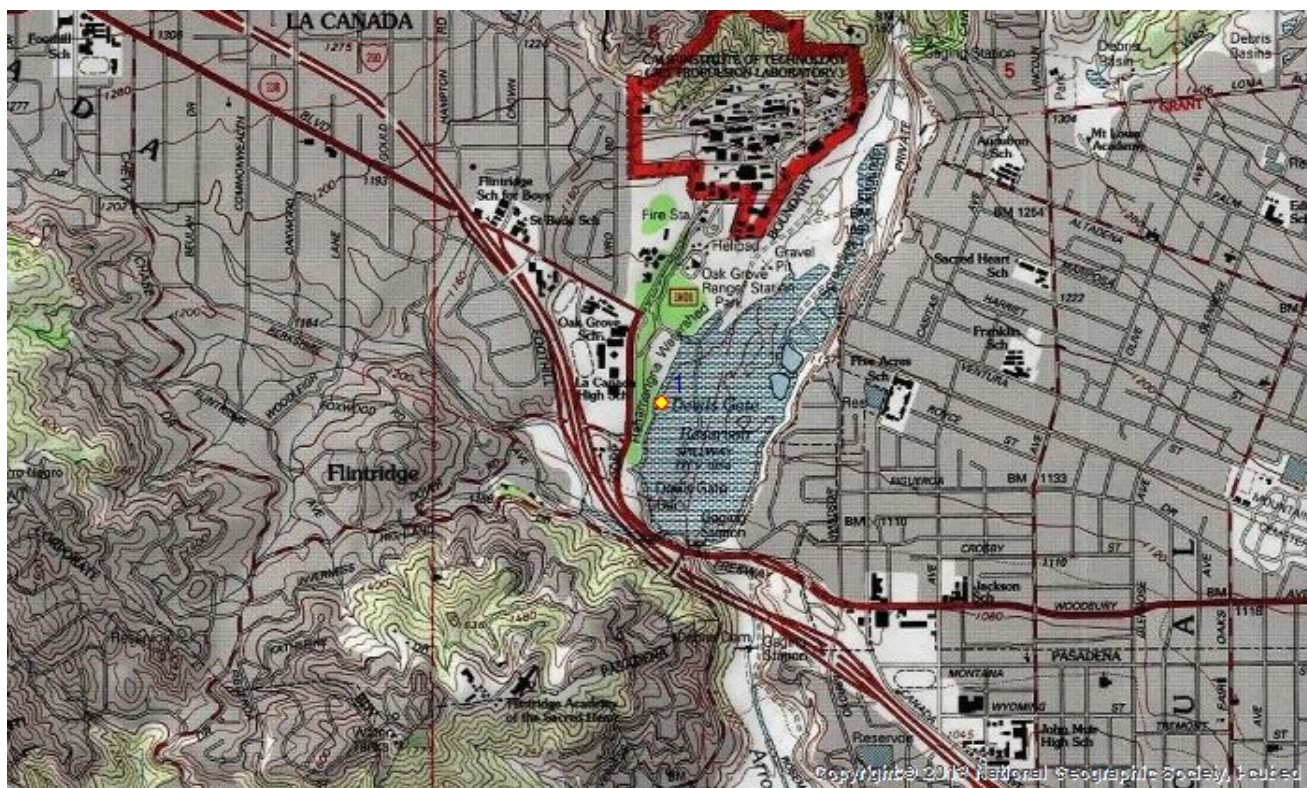
**Visible disturbances:** adjacent road/trail, habitat restoration activities nearby (hand-pulling weeds).

**Threats:** restoration zone is off limits, but potential threats include off-leash dogs, off-trail hikers, and disc golfers.

**General comments:**

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**MAP INFORMATION**



ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Los Angeles	Pasadena	1038	34.19078	-118.17675	391570	3783936	11
1	Public Land Survey	Feature Comment						
	S T01N R12W 7							

The mapped feature is accurate within: 5 m

Source of mapped feature: [Collector app on Iphone](#)

Mapping notes:

Location/directions comments:

---

Attachment(s):

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## **APPENDIX C**

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Construction Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:15	92 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling sediment
2. 2 excavators, 1 scraper, 1 bulldozer, 2/3 water trucks, around 70 haulage trucks
3. Griffith

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

Two-striped garter snake

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

**List of species observed while monitoring:**

CASJ, ANHU, parrot (*Amazona* sp.), KILL, SOSP, LEGO, CLSW, CALT, whiptail, coyote, western tiger swallowtail butterfly, cabbage white butterfly, California ground squirrel, European honeybee, monarch butterfly, two-striped garter - deceased

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

**Log Entry**

0600 Arrived on site. Began clearance sweep

0700 work began

0745 monitored KILL activity in southern section of the site

0900 conducted clearance sweep

1020 observed vegetation in southwest section for nesting bird activity

1140 conducted clearance sweep

1310 observed vegetation in southwest section for nesting bird activity

1430 clearance sweep - on way back down into site on entry road observed two-striped garter snake that had just been ran over by hauler (point in field maps)

1515 end of monitoring

**Additional Comments**

Spoke with Anthony from Griffith, he plans on fixing the gaps in the silt fencing today.

**Signature**







**Excavator\_near weigh station\_070121.jpg**  
-118.17317 34.18871



**Site overview looking south\_070121.jpg**  
-118.17274 34.18975



Site overview looking north level with marker 25\_070121.jpg  
-118.17255 34.19188



photo\_4-sediment hauling activities.jpg  
-118.17182 34.19283

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: July 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	59 °F	0-3 MPH	0 %
<b>End of Day</b>	12:45	82 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Silt fence installation, dump truck ingress.
2. Bottom dump trucks, two pickup trucks, hand tools.
3. 4 personnel (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, RLPA, CALT, CASJ, BARS, COYE, SOSB, BLPH, LEGO, BUSH, ROPI, NRWS, HOFI, ANHU, CLSW, MODO, CAQU, NOMO, SPTO, ACWO, CAKI, RTHA, western toad, California ground squirrel, desert cottontail, western fence lizard, coastal whiptail

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

**Log Entry**

0640 arrived on site, attended tailboard.  
0645 conducted clearance sweep of entrance road and adjacent areas.  
0700 monitored ingress of bottom dump trucks along entrance road.  
0705 monitored Natures Image installing silt fencing along entrance road and around the Altadena Drainage.  
0750 relocated one western toad.  
0926 found one dead adult western toad on the entrance road.  
1032 silt fence installation completed.  
1115 updated BUSH\_1  
1120 updated LEGO\_3  
1127 updated BUSH\_22  
1150 updated YEWA\_03  
1204 updated ACWO\_1  
1212 updated BUSH\_19

**Additional Comments**

N/A

Signature





07-06-2021\_silt\_fence\_installation\_facingN.jpg



07-06-2021\_silt\_fence\_installation\_complete\_facingNE.jpg



07-06-2021\_silt\_fence\_installation\_complete\_facingSE.jpg



07-06-2021\_silt\_fence\_installation\_complete\_facingN.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: July 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	87 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith crew conducted grading and material moving and hauling. Equipment used included two excavators, two water trucks, one dozer, one scraper, one front loader, and multiple haul trucks. Crew consisted of seven equipment operators, multiple haul truck drivers, 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:**

BUSH CAQU MODO RTHA NOMO HOFI LEGO KILL COYE ACWO CASJ CLSW NRWS CALT SPTO EUST AMCR  
CORA ROPI western toad

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

**Log Entry**

0630 conducted pre-construction sweep.

0700 monitored grading and material moving and hauling.

1500 conducted final sweep.

**Additional Comments**

N/A

**Signature**





Hauling\_during\_facingNW.jpg  
-118.17441 34.18884



Hauling\_during\_facingSW.jpg  
-118.17197 34.19279



Hauling\_during\_facingS.jpg  
-118.17374 34.19009



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	60 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	94 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling
2. Two excavators, 3 water trucks, approximately 70 haulage trucks, bulldozer
3. Griffith construction

**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, LEGO, CASJ, KILL, CALT, CATH, HOFI, parrot (Amazona sp.), SOSPO, ALHU, CLSW, BLPH desert cottontail, western fence lizard, monarch, California sister, Cabbage white butterfly, western tiger swallowtail, western toad, California ground squirrel

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

**Log Entry**

0600 Arrived on site. Began clearance sweep  
0700 work commenced  
0735 checked for KILL nests in south section  
0855 conducted clearance sweep  
1020 began sweep in section in front of dam face for wildlife  
1055 CLSW activity on dam face, pair seen entering in 5th section from the east (from pipe feature)  
1200 walked 5m transects N/S through northern end of previously ponded area in prep for clearing  
1400 clearance sweep of roadways  
1500 end of monitoring

**Additional Comments**

N/A

**Signature**





**Main entry\_reptile silt fencing\_070721.jpg**  
-118.17297 34.18783



**Excavator loading haulers\_070721.jpg**  
-118.17336 34.18867



**Excavator 2 towards the north end with hauler routes\_070721.jpg**  
-118.17289 34.19046



**photo\_4-sediment hauling activities.jpg**  
-118.17584 34.1872

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	63 °F	0-3 MPH	70 %
<b>End of Day</b>	15:00	92 °F	0-3 MPH	80 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, excavating and hauling
2. Two excavators, 1 box scraper, 3 water trucks, 2 bulldozers, approximately 70 haulage trucks
3. Johnny- Griffith

**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, HOFI, CORA, KILL, ALHU, LEGO, CLSW, CALT, California ground squirrel, cabbage white butterfly, western tiger swallow tail, western toad, coyote, western fence lizard, whiptail, California dogface butterfly

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

**Log Entry**

0610 arrived on site. Began roadways clearance sweep  
0745 began clearance sweep for vegetation removal in southern section  
0825 water truck began spraying area prior to clearing  
0830 water truck got stuck  
0845 bulldozer (untracked) arrived to pull out water truck  
0915 Doug - operator of the box scraper began clearing vegetation  
0940 operator got called to a different area of the site. Water truck sprayed area.  
0950 roadways clearance sweep  
1115 observed vegetation in the southwest section for nesting bird activity  
1150 roadways clearance sweep  
1305 checked for KILL activity in southern section  
1345 observed vegetation in the southwest section for nesting bird activity  
1500 end of monitoring

**Additional Comments**

N/A

**Signature**





**Excavator 1\_070821.jpg**  
-118.17372 34.18874



**Excavator 2\_taken facing N\_070821.jpg**  
-118.1718 34.19158



photo\_3-site overview.jpg  
-118.17537 34.18885



Box scraper removing vegetation \_southern section\_070821.jpg  
-118.17581 34.1867

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	101 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, excavation and hauling
2. 2 excavators, 72 haulage trucks, 1 scraper, 1 box scraper, 2 water trucks, bulldozer
3. Johnny-Griffith, vegetation removal - Thomas and Anthony

**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, KILL, LEGO, HOFI, CLSW, SOSP, parrot (Amazona sp.), CASJ, Cabbage white butterfly, coyote, deer mouse, western toad, western fence lizard, pacific tree frog, desert cottontail, California ground squirrel

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

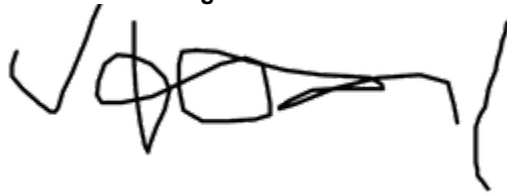
**Log Entry**

0610 arrived on site. Began clearance sweep  
0710 swept area in the south. Monitored vegetation removal (box scraper)  
0835 deer mouse ran under machine stopped immediately, unfortunately deceased. (Relocated >30 toadlets, 1 pacific tree froglet, 1 western fence lizard from the work area to safety  
0845 cut thumb on rusty metal debris whilst retrieving a toad. Went to urgent care  
1125 conducted roadways clearance sweep  
1235 swept remaining open southern section for KILL nests  
1305 observed vegetation in southwest section for nesting bird activity

**Additional Comments**

N/A

**Signature**





**photo\_1-vegetation removal activities.jpg**  
-118.17582 34.18666



**Excavator 1 loading haulage trucks\_070921.jpg**  
-118.17392 34.18737





**Site overview\_southern end.jpg**  
-118.1739 34.18741



**Overview of northeast portion of site\_facingSW.jpg**  
-118.17678 34.18724

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: July 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	50 %
<b>End of Day</b>	14:57	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal with scraper.

**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, YEWA, KILL, ANHU, Parrots, COYE, CASJ, HOFI, LEGO, CALT, NUWO, BARS, Coyote, Western toad  
Western whiptail, California ground squirrel, Side blotched lizard

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

**Log Entry**

Drove roads first thing in the morning to look for snakes. Monitored vegetation removal. Drove all access roads an additional three times to look for snakes. Checked out south western corner to look for more nests/nesting behavior. No new nests found

**Additional Comments**

N/A

**Signature**





Excavation\_facingN.jpg



**Grubbing\_facingS.jpg**  
-118.17527 34.1863



Veg\_removal\_facingS.jpg  
-118.17527 34.18629

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: July 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	70 °F	0-3 MPH	65 %
<b>End of Day</b>	14:52	88 °F	0-3 MPH	25 %

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

Construction Monitoring

**Construction Activity:**

Grading to make road for a water truck for future veg removal/also some veg removal to make the road with scraper.

**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, CORA, ACWO, COYE, YEWA, BEWR, CASJ, Western toad, California Ground squirrel

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

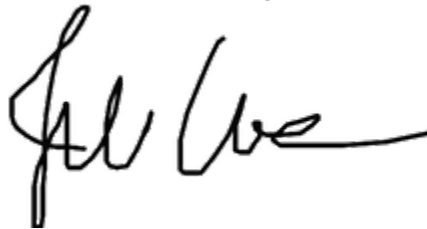
**Log Entry**

Checked roads for snakes, look for nests in southwest corner. Found LEGO fledglings being fed (marked on collector), Monitored small amount of vegetation removal and grading to make a road for the water truck for future vegetation removal.

**Additional Comments**

N/A

**Signature**





Excavation\_facingS.jpg  
-118.1745 34.18945



**Excavation\_facing\_S.jpg**  
-118.17454 34.18944



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: July 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	64 °F	0-3 MPH	50 %
<b>End of Day</b>	15:00	905 °F	7-9 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1) excavation. 2) Two excavators, one scraper, one bulldozer, one skip loader, front loader, two water trucks, haul trucks 3) John (Griffith)

**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, Amazona spp., CAQU, BEWR, CASJ, HOFI, NRWS, COYE, SOSP, CALT, LEGO, desert cottontail, CA ground squirrel, SBMU, NRWS, WTSW, MODO, CAKI, western toad, western fence lizard, western side-blotch lizard, PHAI, RSHA

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

**Log Entry**

0630 onsite; clear access roads. Coordinate with John (Griffith).  
0700 begin monitoring excavation (Pic. 1).  
1200 continue monitoring excavation.  
1455 end monitoring.  
1500 leave site.

**Additional Comments**

Photo 1: Excavation\_during\_facingNW

Signature





photo\_1-20210715-122828.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:05	67 °F	0-3 MPH	60 %
<b>End of Day</b>	15:10	92 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating & hauling dirt. Vegetation removal. Raking (monitored by 2nd surveyor) 2. 2 excavators, bulldozer, 3 water trucks, front loader, scraper, box scraper, 3. Griffiths construction; Johnny Griffiths

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

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

**List of species observed while monitoring:**

CLSW, LEGO, SOSP, MALL, ALHU, CALT, CASJ, HOFI, CORA, parrot (Amazona sp.), coyote, western toad, side-blotched lizard, cabbage white butterfly, cottontail

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

**Log Entry**

0605 conducted clearance sweep of roadways

0700 works commenced

0740 observed vegetation in SW corner for NB activity

0835 began sweeping vegetated area at southern end of site, in vicinity of previously ponded area

0855 conducted clearance sweep of roadways

1025 monitored vegetation removal via scraper operated by Doug

1230 conducted clearance sweep of roadways

1345 observed vegetation in SW corner for NB activity

**Additional Comments**

N/A

**Signature**





**Vegetation to be removed\_071521.jpg**  
-118.17488 34.1862



**Excavator in southern section\_071521.jpg**  
-118.17382 34.18766



**Vegetation removal with scraper\_southern section.jpg**  
-118.17441 34.18659



**View facing S\_marker 20\_071521.jpg**  
-118.17354 34.19061

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: July 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	64 °F	0-3 MPH	10 %
<b>End of Day</b>	20:20	70 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1) Raking excavator tracks 2) Hand tools 3) Fabian, Joe, John (Griffith)

**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, WREN, BUSH, SPTO, CALT, BEWR, MODO, Amazona spp., CORA, HOFI, LEGO, COYE, CASJ, western side-blotch lizard, western fence lizard, desert cottontail, coyote, ANHU

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

**Log Entry**

0630 onsite; coordinate with Joe and John (Griffith)  
0645 begin pre-construction survey. Pictures in separate folder.  
0655 Nest update CALT\_6, BUSH\_25, MODO\_7  
0730 begin monitoring crew taking the tracks.  
0820 end monitoring.

**Additional Comments**

**Signature**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	69 °F	0-3 MPH	90 %
<b>End of Day</b>	15:00	90 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating & hauling 2. 2 excavators, front loader, bulldozer, 2 water trucks, scraper, around 70 haulage trucks, 3. Griffiths, Johnny Griffiths

**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, HOFI, CLSW, COYE, ALHU Western toad, Amazona sp., cottontail, CA ground squirrel, side-blotched lizard

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

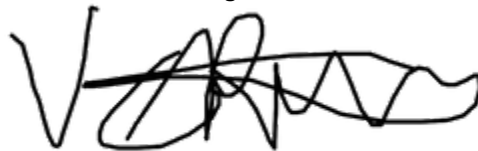
**Log Entry**

0610 clearance sweep of roadways  
0700 works commenced  
0730 swept southern section where the rock pile is being relocated  
0810 observed vegetation to SW for NB activity  
0910 clearance sweep of roadways  
1020 checked status of CLSW nest under spillway  
1120 observed vegetation to SW for NB activity  
1230 clearance sweep of roadways  
1345 observed vegetation to SW for NB activity  
1500 end of monitoring

**Additional Comments**

N/A

**Signature**





**Excavator\_1\_opposite weigh station\_071621.jpg**  
-118.17567 34.18875



**Front loader loading haulage ts\_071621.jpg**  
-118.17386 34.18941





**Excavator 2\_looking S from marker 29\_071621.jpg**  
-118.17194 34.19278



**Southern end of site\_071621.jpg**  
-118.17361 34.18784

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: July 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	70 °F	0-3 MPH	20 %
<b>End of Day</b>	15:43	93 °F	7-9 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1) excavation 2) Two excavators, bulldozer, two water trucks, hauls trucks, scraper, front loader 3) Joe and John (Griffith) and Daniel (LA County)

**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, HOFI, CASJ, CALT, ROPI, COYE, SOSP, Amazona spp., SBMU, NUWO, AMCR, LEGO, CA ground squirrel, ANHU, COHA, WREN, BUSH, KILL, NRWS, NOFL, western fence lizard, western side-blotch lizard, western toad, ACWO, coyote, WTSW, TUVU

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

**Log Entry**

0630 onsite; access road clearance.

0700 begin monitoring excavation activities (Pic. 1 and 2).

0750 YEWA calling near the edge of the project area on western side near scale house.

1030 clear area and monitor scraper clearing and grading over very sparse low vegetation (Pic. 3).

1500 monitor bulldozer level out sparsely vegetated area near dam (Pic. 4).

1530 end monitoring.

1545 leave site.

**Additional Comments**

P1-excavation\_during\_facingSE P2-excavation\_during\_facingSE P3-grading\_during\_facingNE P4-grading\_during\_facingW

**Signature**





photo\_1- excavation\_during\_facingSE.jpg



photo\_2- excavation\_during\_facingSE.jpg



photo\_3- grading\_during\_facingNE.jpg



photo\_4- grading\_during\_facingW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: July 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	66 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	91 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling, vegetation removal, rock crushing. 2. Four excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks, bottom dump trucks. 3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, NOMO, RLPA, CALT, HOFI, NRWS, AMKE, RTHA, MODO, SOSPO, TUVU, CORA, Western toad, western fence lizard, common side-blotched lizard, desert cottontail, CA ground squirrel, coastal whiptail

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

**Log Entry**

0630 arrived on site, attended tailboard.

0645 conducted clearance sweep of all roads and work areas.

0705- monitored excavator tracking in along established road from the north. Walked ahead of the excavator to look for snakes/nesting birds.

0730- monitored sediment removal activities.

0735- monitored hauling of rock to just in front of the dam to an excavator crushing the rock to create rip rap.

0740- conducted clearance sweep of vegetated areas near the entry ramp and south of the Altadena drainage.

0810- monitored vegetation removal near the entry ramp and south of the Altadena drainage. Relocated ~40 western toads.

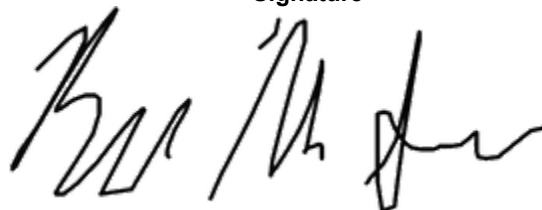
0945 conducted clearance sweep of all roads and work areas.

1200 conducted clearance sweep of all roads and work areas.

**Additional Comments**

N/A

**Signature**





07-20-2021\_excavator\_tracking\_into\_site\_facingN.jpg



07-20-2021\_excavator\_clearing\_vegetation\_facingNW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: July 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	70 °F	0-3 MPH	5 %
<b>End of Day</b>	15:15	97 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Rock breaking, grading, vegetation removal, excavation 2. Excavator, scraper, haul trucks, water trucks, dozer, front loader 3. Scot (excavator operator - Griffith sub), John and Joe (Griffith)

**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, Amazona spp., HOFI, LEGO, western toad, NRWS, SOSP, western side-blotch lizard, western fence lizard, WTSW

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

**Log Entry**

0635 arrive onsite.

0645 clear access roads; clear vegetation removal location (Pic. 1).

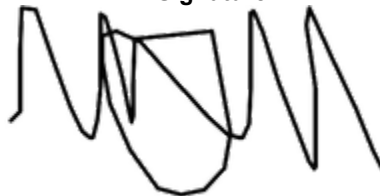
0710 begin monitoring vegetation removal (Pic. 2).

1500 end monitoring (Pic. 3.) 1515 leave site.

**Additional Comments**

P1- vegetation\_removal\_before\_facingS P2 - vegetation\_removal\_during\_facingSW P3 -  
vegetation\_removal\_after\_facingSE

**Signature**





Cleared\_vegetation\_removal\_site.jpg



Vegetation\_removal.jpg





**Vegetation\_removal.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	71 °F	0-3 MPH	5 %
<b>End of Day</b>	15:20	103 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, excavating and hauling dirt, hauling rock within the site, drilling rock 2. 2 large excavators, approx 70 haulage trucks, 1 medium (320) excavator for veg clearing, mini ex with drill attachment; moving and drilling rock pile, bulldozer, scraper, 3 water trucks 3. Johnny Griffith, Scott (veg 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:**

Side-blotched lizard, cabbage white butterfly, cottontail, Amazona sp., HOFI, COYE, whiptail, western toad, California tree frog, CORA, CLSW, LEGO, SOSP

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

**Log Entry**

0610 began clearance sweep

0700 haulage trucks began

0720 monitored vegetation removal in southern section

1500 end of veg removal. Rounded up remaining anurans and released in creek

1520 end of day

**Additional Comments**

N/A

Signature





**Loading rockpile to haul to the Southern section\_072221.jpg**  
-118.17424419444446 34.1891780277777



**Excavator loading dirt\_southern section\_072221.jpg**  
-118.17533047222223 34.18597534722222



**Veg removal\_southern section\_072221.jpg**  
-118.17509167777779 34.18574648055555



**Veg removed\_southern section\_072221.jpg**  
-118.17518547222222 34.18573830555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:05	64 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	92 °F	4-6 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

1. Removing vegetation piles created from yesterday's vegetation removal. Excavating and hauling dirt
2. 2 large excavators, approx. 70 haulage trucks, medium excavator (loading removed veg), dump truck, scraper, water trucks
3. Johnny Griffith, Scott (operator of med 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:**

Western toad, California tree frog, parrot (*Amazona* sp.), leech, wolf spider, coyote, praying mantis, cottontail, swallowtail, cabbage white butterfly, RSHA, CORA, LEGO, SOSPO, HOFI, CLSW, COYE, RTHA, TUVU

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

**Log Entry**

0605 began clearance sweep  
0715 swept area scheduled for vegetation clearing  
0825 monitored removal of vegetation piles  
0945 road clearance sweep  
1100 observed vegetation in SW for nesting bird activity  
1215 road clearance sweep  
1350 observed vegetation in SW for nesting bird activity  
1500 End of Monitoring

**Additional Comments**

N/A

**Signature**





**Removing veg piles\_072321.jpg**  
-118.17514448333334 34.18574161944444



**Excavator loading haulage truck\_072321.jpg**  
-118.17535026111112 34.18700996666665



**Drilling\_rocks\_072321.jpg**  
-118.17534020277779 34.187054374999995



**Loading\_haul\_truck.jpg**  
-118.17519351944445 34.18730597222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: July 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	68 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	82 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Monitored Griffith crew conducting vegetation removal. Equipment used included two excavators and a water truck. Construction personnel included two equipment operators, one water truck driver, and one foreman (Joe C.)

**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, Pacific tree frog, Deer mouse, Western fence lizard, Desert cottontail, HOFI, LEGO, MODO, AMCR, ACWO, COYE, BUSH, CASJ, CLSW

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

**Log Entry**

0630 Discussed POD with Adam and Griffith crew, conducted preconstruction sweep.

0700 Crew began removing vegetation.

1500 Crew done for the day, biologist conducted final sweep and left for the day.

**Additional Comments**

N/A

Signature







**Vegetation\_removal\_before\_facingWest.jpg**  
-118.17552 34.18708



**Vegetation\_removal\_during\_facingSouthEast.jpg**  
-118.17573 34.18652

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: July 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	80 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation removal, rock crushing.
2. Three excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, RLPA, LEGO, HOFI, SOSP, MODO, COHA, Western toad, Desert cottontail, Western fence lizard, Baja California tree frog

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

**Log Entry**

0640 Arrived on site, attended tailboard.

0645 Conducted clearance sweep of all roads and work areas.

0740 Monitored clearing of vegetation along west side of drainage moving toward the dam. Relocated 50+ western toads, 2 western fence lizards, 1 desert cottontail, and 10+ Baja California tree frogs.

0900 Monitored rock crushing adjacent to the dam.

1000 Conducted clearance sweep of all roads and work areas.

1230 Conducted clearance sweep of all roads and work areas.

**Additional Comments**

N/A

**Signature**





07-26-2021\_vegetation\_removal\_facingNorth.jpg



07-26-2021\_rock\_crushing\_facingNorthWest.jpg



07-26-2021\_vegetation\_removal\_facingWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: July 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	63 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	9 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling, vegetation removal, rock crushing.
2. Four excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks, bottom dump trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, CORA, RLPA, COHA, CALT, SOSPO, MALL, MODO, Western fence lizard, Western toad, Deer mouse

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

**Log Entry**

0630 Arrived on site, attended tailboard.

0645 Conducted clearance sweep of all roads and work areas.

0709 Monitored vegetation clearing at the southwest corner of the project area, adjacent to flint wash.

0805 Conducted a clearance sweep of a vegetated area next to the Altadena drainage.

0815 Monitored vegetation removal adjacent to the Altadena drainage.

0830 Monitored excavator digging a retention basin and building a berm at the outlet of the Altadena drainage.

Relocated 4 western toads.

0916 Monitored vegetation removal on the east side of the haul road. Relocated two deer mice, two western fence lizards, two western toads, one common side-blotched lizard, one desert cottontail.

0945 Conducted clearance sweep of all roads and work areas.


1230 Conducted clearance sweep of all roads and work areas.

1430 Monitored bulldozer removing vegetation and finish grading along the western boundary of the project area.

**Additional Comments**

N/A

Signature





07-27-2021\_loading\_and\_hauling\_sediment\_facingNorthEast.jpg



07-27-2021\_vegetation\_removal\_and\_rock\_crushing\_facingSouth.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Taylor Dee**  
**Date of Log: July 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:24	67 °F	0-3 MPH	0 %
End of Day	15:25	89 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Griffith conducting sediment removal activities. Equipment including excavators, dozer, loader, backhoe, and a blade conducting earth moving activities and loading haul trucks. 1 excavator used a jack hammer attachment to break up rocks. 1 excavator and a backhoe were used to remove emergent vegetation. Water trucks and street sweepers also operating.

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, parrot sp., BEWR, ANHU, CASJ, SOSP, Western fence lizard, western toad, desert cottontail, deer mouse, tree frog, BUSH, NUWO, COYE, Coastal whiptail

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0624 arrived onsite and met Adam. Conducted sweep of area with emergent vegetation planned for removal in southern sediment removal area. Relocated 2 Western toads from work area. 0700 Began monitoring excavator, operated by Scott, remove emergent vegetation. Switched between monitoring and surveying ahead of excavator. When Adam monitored vegetation removal I surveyed ahead and when he left to monitor equipment on the west side I monitored. Relocated 3 tree frogs, 1 mouse, 8 western toads, and 1 western fence lizard out of harm's way. One excavator used jackhammer attachment to break up rocks in southern portion of Sediment Removal Area. Haul trucks were being loaded in the northern part of the Sediment Removal Area. 1006 Surveyed area on west side of reservoir. No breeding behavior or nests observed. 1155-1219 took lunch 1219 switched with Adam and monitored Scott remove emergent vegetation along west side while he took lunch and when he monitored vegetational removal on west side further north. 1450 Sediment removal is done for the day. Crews demobilizing and staging equipment. Adam is still monitoring dozer. I removed stakes from old inactive nests before returning gear to Adam. 1525 left site. No impacts to sensitive biological resources were observed.

**Additional Comments**

N/A

Signature





Excavator removing emergent vegetation\_facing south.jpg



Excavator removing emergent vegetation\_facing north.jpg





07-27-2021\_digging\_retention\_basin\_facingSouthEast.jpg



07-27-2021\_vegetation\_removal\_and\_grading\_facingSouthEast.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carter Warwick**  
**Date of Log: July 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	65 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	92 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

- 1: Sediment removal, loading, and hauling. Vegetation removal and rock crushing.
- 2: Four excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks, hauling trucks.
3. 10 Griffith (scott, 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:**

RSHA, HOFI, CORA, SOSP, Western fence lizard, Wood rat, Western toad

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

**Log Entry**

ASSISTING ADAM WITH VEGETATION REMOVAL

0645: Completed clearance sweep of vegetation to be removed.

0705: Monitored vegetation removal by excavator

0725: Second excavator began assisting with vegetation removal at same work area.

0900: Second excavator leaves to begin rock breaking.

1000: Clearance sweep ahead of excavator through vegetation. Continue to monitor and relocate western fence lizards and western toads.

1500: Vegetation removals stops.

**Additional Comments**

N/A

**Signature**





photo\_1-vegetation\_removal\_facingNorthWest.jpg



photo\_2-water\_truck\_and\_vegetation\_clearing\_facingNorthWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: July 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	64 °F	0-3 MPH	5 %
<b>End of Day</b>	15:00	93 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal, loading, and hauling, vegetation removal, rock crushing.
2. Four excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks, bottom dump trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

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

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

**List of species observed while monitoring:**

RSA, RLPA, CLSW, CORA, HOFI, CALT, SOSP, Western fence lizard, Western toad, Wood rat

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

**Log Entry**

0630 Arrived on site, attended tailboard.

0645 Conducted clearance sweep of all roads and work areas.

0710 Monitored vegetation removal west of the exit ramp with two excavators.

0730 Monitored sediment removal activities.

0845 Second excavator finished removing vegetation and went back to breaking rock. Relocated 3 western toads and two fence lizards

0945 Conducted clearance sweep of all roads and work areas.

1015 Monitored second excavator loading out vegetation into containers to be taken offsite.

1230 Conducted clearance sweep of all roads and work areas.

1419 Updated WREN-1.

**Additional Comments**

N/A

**Signature**





07-28-2021\_vegetation\_removal\_facingSouth.jpg



07-28-2021\_rock\_crushing\_facingEast.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	66 °F	0-3 MPH	0 %
<b>End of Day</b>	15:18	98 °F	0-3 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, excavating, and hauling, hammering
2. 1 scraper, 2 excavators (hauling), 2 excavators vegetation clearing (one excavator converted to hammer at 9am), dump truck, water trucks,
3. Scott (operator veg clearing), Johnny Griffiths

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

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

**List of species observed while monitoring:**

Carpenter bee, Side-blotched lizard, Western toad, ANHU, LEGO, SOSP, Amazona sp., COYE, ALHU, Deer mouse, Rat (non native), CORA, CALT, COHA, Whiptail, Swallowtail, Cabbage white, Monarch

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

**Log Entry**

0600 Roadways clearance sweep  
0630 Met Carter, swept South West corner scheduled for clearing  
0700 Began vegetation removal  
0745 Scott joined by 2nd excavator (Dana), and the scraper (Doug)  
0905 Road clearance sweep  
0950 Monitoring vegetation clearance in South West area  
1400 Swept section next to berm at arroyo entrance, monitored vegetation removal with scraper  
1425 Back to monitoring vegetation removal in South West section

**Additional Comments**

N/A

**Signature**





Vegetation\_removal\_SouthWest\_corner\_072921.jpg  
-118.17652 34.18701



SouthWest\_corner\_vegetation\_removal\_072921.jpg  
-118.17678 34.18756





Excavators\_and\_scraper\_vegetation\_removal\_072921.jpg  
-118.17661 34.18726



photo\_4\_cleared\_vegetation\_-20210729-161305.jpg  
-118.17579 34.18761

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carter Warwick**  
**Date of Log: July 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	65 °F	0-3 MPH	0 %
<b>End of Day</b>	11:30	88 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing. Rock Breaking, sediment digging, loading, and hauling.
2. 4 excavators, 1 blade, 3 water trucks, loaders, hauling trucks.
3. Scott (griffiths, 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:**

ANHU, CORA, CALT, SOSPO, HOFI, Amazona spp., Deer mouse, Wood rat, Western fence lizard, Side-blotched lizard, Western toad

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

**Log Entry**

ASSISTING VERITY WITH VEGETATION REMOVAL

0630: Clearance sweep of vegetation to be cleared in SW corner.

0700: Excavator begins clearing vegetation.

0715: Clearance sweep of unused dirt road at SW corner.

0745: Second excavator begins to assist in. Learning vegetation. Griffiths crew member marking project boundary for vegetation clearing.

0820: Monitor vegetation clearance of road by blade.

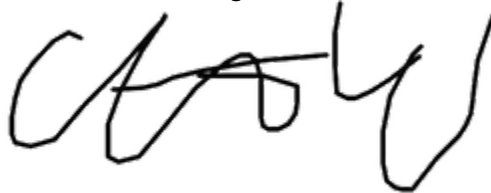
0900: Second excavator leaves to begin rock breaking.

1000: Vegetation clearing on west slope of road at W edge of project boundary.

**Additional Comments**

N/A

**Signature**





photo\_1-blade\_clearing\_road\_facingNorth.jpg



photo\_2-W\_slope\_vegetation\_removal\_facingSouthEast.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: July 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	67 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	100 °F	4-6 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating & hauling dirt, hammering rocks, escorted excavator off site
2. 2 excavators, approx 70 haulage trucks, 3 water trucks, small excavator with drill attachment, scraper
3. Griffiths

**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 ground squirrel, Cottontail, Cabbage White butterfly, Swallowtail, Side blotched lizard, Parrot (Amazona sp.), Western toad, CORA, TUVU, SOSP, ALHU, MODO, ACWO, CASJ, LEGO

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

**Log Entry**

0610 Roadways clearance sweep  
0730 Inspected vegetation piles created yesterday  
0825 Scoped out exit route to be taken by excavator  
0940 Escorted excavator off site  
1025 Roadways clearance sweep  
1135 Observed remaining vegetation in South West for nesting bird activity  
1215 Road clearance sweep  
1330 Observed vegetation in the South West for Nesting bird activity  
1500 End of monitoring

**Additional Comments**

N/A

**Signature**





Excavating\_and\_hauling\_southern\_section\_073021.jpg  
-118.17416 34.18748



photo\_Excavator\_moving\_rocks\_2-20210730-143200.jpg  
-118.17503 34.18717



2<sup>nd</sup>\_excavator\_at\_northern\_end\_of\_the\_site\_073021.jpg



Escorted\_excavator\_offsite.jpg  
-118.16699 34.19855

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carter Warwick**  
**Date of Log: August 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	68 °F	0-3 MPH	0 %
<b>End of Day</b>	11:18	90 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation removal
2. Three excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks
3. 10 Griffith personnel, 2 Cal Earth Transport 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:**

CALT, SOSP, CALT, COHA, MODO, HOFI, COYE, Side blotched lizard, Western fence lizard, Western toad, California ground squirrel

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

**Log Entry**

\*Assisting Adam with Vegetation Removal Monitoring\*

0645 Conducted sweep of vegetation to be removed

0710 Monitored vegetation removal on west edge of project

0900 Vegetation clearing complete on west edge. Begin removal of small patch on west slope of hauling road at South West corner of project.

0940 Relocated one deer mouse, three western fence lizards, and 3 western roads

0950 Monitor movement of debris piles to be placed into bins

1030 Relocated 5 western toads and 1 western fence lizard.

1045 Excavator continues sifting through debris piles. Relocated two deer mice, one western fence lizards, and five western toads.

**Additional Comments**

N/A

**Signature**





**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: August 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:35	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	99 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation removal, sediment removal.
2. Three excavators, one blade, one bulldozer, one skip loader, one front loader, three water trucks.
3. 10 personnel (Griffith; Joe), 2 personnel (Cal Earth Transport)

**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, CALT, COYE, SOSPO, NUWO, BLPH, CORA, MODO, COHA, CASJ, Common side-blotched lizard, Western fence lizard, California ground squirrel, Western toad

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

**Log Entry**

0635 Arrived on site, attended tailboard.

0645 Conducted clearance sweep of all roads and work areas.

0710 Monitored vegetation clearing along the western edge of the project area.

0730 Monitored sediment removal activities.

0745 Monitored skip loader piling cleared vegetation piles for loading into bins.

0900 Conducted clearance sweep of small vegetated area at the northeast corner of the project site.

0930 Monitored bulldozer removing small patch of vegetation at the northeast corner of the project site.

1045 Monitored removal of vegetation piles and placing them into bins to be hauled off site. Relocated 2 deer mice, 5 western toads, and one western fence lizard

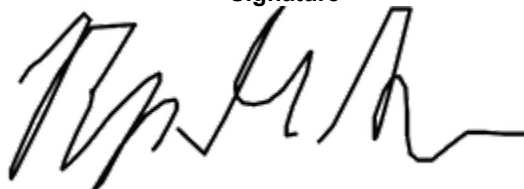
1100 Conducted clearance sweep of all roads and work areas.

1400 Conducted clearance sweep of all roads and work areas.

**Additional Comments**

N/A

**Signature**





08-02-2021\_vegetation\_removal\_facingSouth.jpg



08-02-2021\_vegetation\_clearing\_and\_grading\_facingSouthWest.jpg



08-02-2021\_sediment\_removal\_facingSouth.jpg



08-02-2021\_loading\_out\_cleared\_vegetation\_facingNorth.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: August 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Excavation

**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, WREN, HOFI, CORA, COHA, SPTO, CASJ, Parrot species, California ground squirrel

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

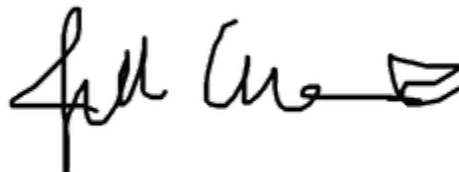
**Log Entry**

Escorted excavator off site at around 10am. Drove all roads throughout day to check for snakes.

**Additional Comments**

N/A

Signature





Excavation\_facingSouthEast.jpg  
-118.17589 34.18819



Excavation\_facingWest.jpg  
-118.17084 34.19382



Excavation\_facing\_West.jpg  
-118.17081 34.19385



Excavation\_SouthWestcorner\_facingWest.jpg  
-118.1759 34.18819



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	68 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	98 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling dirt, taking and returning waste containers
2. 2 large excavators, approx. 70 haulage trucks, bulldozer, scraper, front loader, 4 water trucks,
3. Griffiths construction. Johnny Griffiths

**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, Cabbage white butterfly, Swallowtail, Side-blotched lizard, Beefly, Monarch, European honeybee, CASJ, COYE, CORA, HOOR, ACWO, LEGO, SOSP,

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

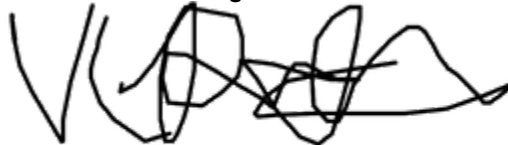
**Log Entry**

0610 Conducted roadway clearance sweep  
0740 Swept vegetation along western bank scheduled for clearing  
0920 Conducted road clearance sweep  
1045 Monitored removal of vegetation waste containers  
1105 Observed vegetation in South West for nesting bird activity  
1155 Added UNKN\_3  
1230 Conducted roadways clearance sweep  
1345 Observed ACWO\_2; no activity observed  
1410 Observed pedestrian bridge with CLSW nests  
1500 End of monitoring

**Additional Comments**

N/A

**Signature**





Excavator\_loading\_dirt\_in\_SouthWest\_corner\_080421.jpg  
-118.17367 34.18833



Excavator\_loading\_haulers\_at\_North\_End\_080421.jpg  
-118.17214 34.1925



Haulers\_at\_weigh\_station\_080421.jpg  
-118.1759 34.18935



photo\_4\_bulldozer\_clearing\_vegetation\_-20210804-145233.jpg  
-118.17447 34.18531

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	67 °F	0-3 MPH	0 %
<b>End of Day</b>	15:04	100 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling dirt
2. 2 large excavators, front loader, approx 70 haulage trucks, scraper, 3 water trucks
3. Johnny Griffiths. Griffiths construction

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

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

**List of species observed while monitoring:**

Side-blotched lizard, Swallowtail, ANHU, CORA, LEGO, SOSP, ALHU, CASJ, ACWO, HOOR, Amazona sp.

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


**Log Entry**

0610 Conducted clearance sweep of roadways  
0745 Observe vegetation in South West for Nesting bird activity  
0915 Conducted clearance sweep of roadways  
1040 Observed CLSW nests on dam front  
1110 Observed vegetation in South West section  
1220 Conducted clearance sweep of roadways  
1350 Observed vegetation in South West area  
1500 End of monitoring

**Additional Comments**

N/A

**Signature**





**Excavator\_loading\_haulers\_northern\_section\_080521.jpg**  
-118.17253 34.19201



**Scraper\_photo\_facing\_South\_080521.jpg**  
-118.17255 34.19201



Front\_loader\_filling\_haulage\_trucks\_SouthWest\_section\_080521.jpg  
-118.17585 34.18902



photo\_excavator\_moving\_dirt\_4-20210805-163925.jpg  
-118.17679 34.18659

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	66 °F	0-3 MPH	0 %
<b>End of Day</b>	15:01	89 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavating and hauling, arranging rocks, excavator arrived on site 2. 2 large excavators, approx 70 haulers, 3 water trucks, 1 bulldozer, 1 scraper, 1 excavator (rocks) 3. Griffiths, Johnny Griffiths

**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, Amazona sp., California ground squirrel, Cottontail, Side-blotched lizard, Eastern fox squirrel, West coast lady butterfly, Western tiger swallowtail, Cabbage white butterfly, CALT, CORA, MODO, ANHU, ACWO, CLSW, CASJ, SOSP, LEGO, RTHA, ALHU

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

**Log Entry**

0610 Roadways clearance sweep  
0700 Swept route for bringing in excavator  
0730 Escorted excavator onto site  
0800 Updated nests to the north  
0905 Roadways clearance sweep  
1015 Observed vegetation in South West for Nesting bird activity  
1225 Roadways clearance sweep  
1400 Observed vegetation in South West to be cleared  
1500 End of monitoring

**Additional Comments**

N/A

Signature





Excavator\_loading\_haulage\_trucks\_in\_northern\_section.jpg  
-118.17144 34.19271



Escorting\_excavator\_080621.jpg  
-118.16918 34.19498





Excavator\_organising\_rocks\_southern\_end\_080621.jpg  
-118.1745 34.18734



photo\_4\_excavator\_loading\_haul\_truck\_-20210806-160916.jpg  
-118.17615 34.18766

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: August 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	63 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Excavation

**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, YEWA, HOFI, COYE, ACWO, CALT, Parrots

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

**Log Entry**

Met with engineers @ 9:30 to answer questions about the drainage area. Drove roads to check for snakes.

**Additional Comments**

N/A

**Signature**





Excavation\_facingWest\_01.jpg  
-118.17341 34.18959



Excavation\_facingWest\_02.jpg  
-118.17454 34.18935



Excavation\_facingEast.jpg  
-118.17324 34.18968

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: August 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	63 °F	0-3 MPH	0 %
<b>End of Day</b>	15:42	93 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Excavation
2. Excavator, scraper, front loader, water trucks, haul trucks, bulldozer
3. John (Griffith), Fahim, Daniel and Emily (LA 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:**

ALHU, SOSP, Amazona spp., CORA, CALT, MODO, WREN, HOFI, LEGO, NUWO, BUSH, Western fence lizard, Western side-blotch lizard, California ground squirrel, BLPH, RTHA, CASJ, ANHU, SPTO, ACWO

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

**Log Entry**

0630 onsite; check roads

0700 begin monitoring excavation activities (Pic.1).

1400 begin monitoring vegetation removal (Pic. 2).

1455 end monitoring vegetation removal (Pic. 3).

1545 end monitoring; leave site.

**Additional Comments**

P1-excavation\_during\_facingSouth P2-vegetation\_removal\_during\_facingSouth P3-vegetation\_removal\_after\_facingNorthWest

**Signature**





photo\_1\_ P1\_excavation\_during\_facingSouth\_20210810-151959.jpg



photo\_2\_vegetation\_removal\_during\_facing\_South\_20210810-152013.jpg



photo\_3\_vegetation\_removal\_after\_facing\_NorthWest-20210810-152018.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: August 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:40	70 °F	0-3 MPH	95 %
<b>End of Day</b>	15:15	93 °F	7-9 MPH	80 %

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

Construction Monitoring

**Construction Activity:**

1. Grading and vegetation removal
2. Excavators, skiploader, scraper, bulldozer, front loader, dump truck, water truck
3. Joe, John, Leo (Griffith), Daniel (LA 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:**

CORA, CASJ, Amazona spp., HOOR, ANHU, HOWR, Western fence lizard, California ground squirrel, CATH, LEGO, NOMO, ACWO, BHGR, MODO, SPTO, PEFA, Western toad

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

**Log Entry**

0640 Onsite; check roads  
0700 Monitor grading activities (Pic. 1).  
1030 Observe new nest (MODO\_8)  
1100 Monitor vegetation removal (Pic. 2).  
1500 End monitoring  
1515 Leave site

**Additional Comments**

P1-grading\_during\_facingN P2-vegetation\_removal\_facingS

**Signature**





photo\_1\_ grading\_during\_facingNorth\_20210812-093031.jpg



photo\_2\_ vegetation\_removal\_facingSouth\_20210812-093039.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: August 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:42	62 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	94 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Co, excavator, water trucks, dozer, loader, blade demobilizing from site and finishing grade, moving boulders

**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, SBMU, ANHU, Parrot sp, RSHA, HOFI, CALT, CAQU, BARS, CASJ, EUCD, AMCR, OATI, YEWA, Side blotched lizard, Coastal whiptail, ACWO, ATFL, CORA

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

**Log Entry**

0642 Arrived onsite, met with Griffith (Joe & Johnny) to discuss work plan for the day. no vegetation removal occurring today. One crew is working at dam face with excavator and dozer to meet finished grade. One crew is working in the north moving boulders, one crew working to meet grade around perimeter. Other crew working to take down signage and other demobilization activities onsite. Gave WEAP training to one new worker.

0700 Drove perimeter of site to check for snakes and other wildlife.

0800 Walked the perimeter of thr site, updated CORA, NRWS, and CLSW nests.

1100 Conducted second sweep of site.

1300 Began monitoring low lying emergent vegetation removal south of Alta Dena drain using blade.

1445 Vegetation removal complete no wildlife observed.

1500 Work done for the day, conducted final sweep of site. no bio issues observed.

1515 Biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-overview\_of\_work\_activities.jpg**  
-118.1753 34.18539



**photo\_2-moving\_boulders.jpg**  
-118.17084 34.19404



photo\_3-work\_at\_dam\_face.jpg  
-118.17544 34.18596



photo\_4-vegetation\_removal\_with\_blade.jpg  
-118.17356 34.18656

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: August 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	66 °F	0-3 MPH	0 %
<b>End of Day</b>	15:06	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal 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:**

ANHU, Red Crowned Parrots, NUWO, SOSP, YWAR, ACWO, CORA, CALT

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

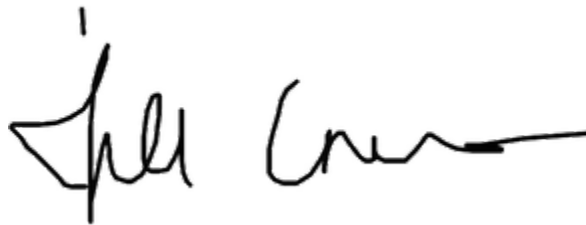
**Log Entry**

Monitored vegetation removal with excavator in south west corner below the road.

**Additional Comments**

N/A

Signature





Hauling\_dirt\_facingWest.jpg  
-118.1759 34.18842



Grading\_facingSouth.jpg  
-118.17443 34.18717





Excavation\_facingSouthEast.jpg  
-118.17328 34.18931



**Vegetation Removal\_facingWest.jpg**  
-118.17699 34.18631

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	68 °F	0-3 MPH	30 %
<b>End of Day</b>	15:00	98 °F	4-6 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1. Grading, moving rocks around the site (South), vegetation removal along right hand side of road in South West section. Packing up the weigh station, removing materials from staging section. Organic waste bins collected. Began filling in large shallow excavation in South West. Grading and scraping in South section and West section (by original trim station)
2. 2 graders, dump truck, large excavator, bulldozer, mini bulldozer, front loader, 2 water trucks, roller, scraper
3. Griffiths construction; Johnny Griffiths,

**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 tiger swallowtail, California ground squirrel, Cabbage white butterfly, Side-blotched lizard, CAQU, CALT, LEGO, SOSP, Amazona sp., HOOR, COYE, CORA,

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

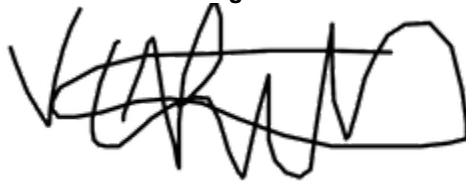
**Log Entry**

0610 Conducted roadways clearance sweep  
0715 Walked route to bring in machinery  
0740 Escorted 2 graders onto site through public access routes  
0820 Gave WEAP training to the two grader operators; Pete Nunez, Mike Bouman  
0855 Conducted roadways clearance sweep  
1020 Observed UNKN-3; no activity. Observed vegetation in South West for nesting bird activity  
1205 Conducted roadways clearance sweep  
1340 Checked vegetation along right hand side of road (LHS of original trim area) for wildlife prior to clearing. Observed vegetation removal.  
1500 End of monitoring

**Additional Comments**

N/A

Signature





**Escorting\_two\_graders\_onto\_site\_08162021.jpg**  
-118.168 34.19749



**Bulldozer\_filling\_in\_shallow\_excavation\_in\_SouthWest\_081621.jpg**  
-118.17603 34.18759



Grading\_in\_the\_West\_removing\_fencing\_marking\_original\_trim\_station\_081621.jpg  
-118.17602 34.1876



Excavator\_loading\_dump\_truck\_to\_redisribute\_rock\_in\_the\_South\_081621.jpg  
-118.1753 34.18731

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	70 °F	0-3 MPH	0 %
<b>End of Day</b>	15:05	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Grading, vegetation removal
2. 2 graders, 1 scraper, 2 water trucks, 1 large bulldozer, 1 mini bulldozer, large excavator, dump truck,
3. Griffith's construction; Johnny Griffiths

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

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

**List of species observed while monitoring:**

Amazona sp., Side-blotched lizard, Monarch, Coyote, COHA, CALT, LEGO, SOSP,

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

**Log Entry**

0610: Conducted roadways clearance sweep.

0740: Swept remaining vegetation along RHS of exiting roadside (to the left of previous trim station), monitored clearing.

0800: Swept vegetation piles in corner section of new ramp; monitored removal.

0910: Conducted roadways clearance sweep.

1040: Observed vegetation in South West for NB activity.

1215: Conducted roadways clearance sweep.

1235: Observed deceased juvenile coyote, based in maggot load and extent of rigormortis T.O.D estimated to be over the weekend. (34.1911115, -118.1733197). Site works haven't been focused in that area this week. Difficult to determine cause of death but found in basin with numerous bike marks around (determined not to be a project-based death).

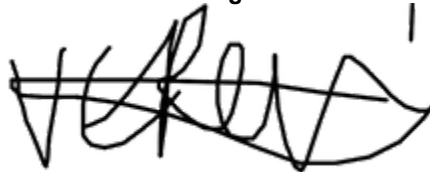
1310: Monitored construction activities.

1500: End of monitoring.

**Additional Comments**

N/A

Signature





Site\_overview\_facing\_South\_081721.jpg  
-118.17409 34.18771



Remvoing\_vegetation\_piles\_on\_inner\_corner\_of\_exit\_road\_081721.jpg  
-118.1774 34.18588



**Bulldozer\_scraping\_SouthWest\_corner\_081721.jpg**  
-118.17655 34.18671



**Grader\_grading\_new\_road\_081721.jpg**  
-118.17655 34.18671



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Taylor Dee**  
**Date of Log: August 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	68 °F	0-3 MPH	100 %
<b>End of Day</b>	15:30	75 °F	4-6 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Griffith conducting earthwork in southern portion of the reservoir with 1 blade, 2 scrapers, 2 dozers, 1 front loader, 1 sheep's toe compact roller, 1 excavator, and water trucks.

**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, Parrot, ATFL, BUSH, OATI, CALT, WREN, Desert cottontail, Western fence lizard, BARS, ACWO, AMCR, CASJ, MODO, CORA

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

**Log Entry**

0630: Arrived on site.

0645: Went over plan for the day with Joe (Griffith foreman). No vegetation removal was planned for today. They would move dirt in the southern part of the reservoir: remove western haul road, bring area north of dam up to grade, and add fill/base to ramp along east side. Water trucks running.

0700: Equipment mobilizing.

0715: Earthworks started. 2 scrapers, 1 dozer moving dirt along western haul road.

0720: Excavator and dozer began moving dirt and rocks north of dam to bring area up to grade. Front loader also began moving dirt between south center of reservoir and western haul road. Monitored construction activity and routinely swept the work area and haul roads for wildlife that may need to be relocated out of harm's way.

0945: Observed nests ANHU-3, ANHU-10, MODO-4, and LEGO-3.

1059: Crew used front loader and sheep's toe compact roller near area north of dam where they had been bringing up the grade. Excavator was digging in western haul road area.

1258: Large excavator stopped work and mechanic appeared to work on it.

1316: Joe said they wanted to remove vegetation along top of western access road. I walked areas with Joe, discussed with Ramsey (LADPW inspector), and surveyed them before removal. Monitored smaller excavator remove mostly emergent weedy and some dead vegetation including horse weed, annual ambrosia, mustard, and other annual species.

1457: Construction done for the day. Crew began staging demobilizing and staging equipment. No impacts to sensitive biological resources observed.

**Additional Comments**

drizzling

**Signature**

*[Handwritten scribble]*



Earthwork\_along\_western\_haul\_road\_facing\_South.jpg  
-118.17601 34.18853



Earthwork\_north\_of\_dam\_to\_bring\_area\_up\_to\_grade\_facing\_east.jpg



Scrapers\_adding\_fill\_to\_road\_ramp\_on\_eastern\_side\_facing\_north.jpg  
-118.17415 34.18618



photo\_4\_foot/toe\_roller\_compacting\_fill\_noth\_of\_dam.jpg  
-118.1753 34.18709

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: August 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	63 °F	0-3 MPH	100 %
<b>End of Day</b>	15:16	70 °F	0-3 MPH	75 %

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

Construction Monitoring

**Construction Activity:**

Griffith with approximately 15 crew. 3 scrapers, 1 dozer, 1 roller, 1 blade, 2 water trucks. Primary focus today is to build new west exit ramp & other site cleanup activities

**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, CALT, MODO, AMCR, ANHU, Coyote, BARS, NUWO, BLPH, HOFI, LEGO, YEWA, BUSH, CATH, WEBL, California ground squirrel, Western fence lizard, CAQU, ACWO

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

**Log Entry**

0700: Arrived onsite, swept roads for wildlife.

0715: Gave WEAP training to new scraper operator.

0745: Escorted new scraper onsite.

0835: Walked perimeter of site.

1100: Gave WEAP training to another new worker at tire wash.

1200: Continued perimeter walk.

1315: Monitored earthwork activities.

1500: Conducted final sweep of site no bio issues observed.

**Additional Comments**

N/A

**Signature**





photo\_1\_equipment\_working\_within\_project\_site.jpg  
-118.17411 34.1853



photo\_2\_scraper\_accessing\_site.jpg  
-118.17088 34.19368

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: August 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	81 °F	4-6 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation removal, grading, slope cleanup.
2. One excavator, one blade, two bulldozers, one front loader, three scrapers, one sweeper, three water trucks, one roller.
3. 10 personnel (Griffith; 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:**

RLPA, NUWO, MODO, ACWO, CORA, AMCR, ANHU, CASJ, LEGO, HOFI, RTHA, RSHA, Commons side-blotched lizard

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

0820- I noticed that the bulldozer appeared to have cut just outside the work boundary on the north side of the top of the exit ramp (within DG-4). The work limit comes right up to the edge of the toe of the road, and they cut just inside to get a bulldozer in to clean up the slope. The affected area outside the work limits is a triangle and is approximately 10ft x 30ft and it doesn't extend more than 12ft outside the work limits. They did not impact any of the planted plants or water lines in DG-4, and the area affected seems to have been somewhat disturbed already.

**Log Entry**

0645: Arrive on site, attended tailboard.

0705: Monitored grading activities along the exit ramp.

0803: Monitored bulldozer knocking down built-up dirt from the top of the exit ramp.

0820: The bulldozer appeared to have cut just outside the work boundary on the north side of the top of the exit ramp (within DG-4), see noncompliance section.

0845: Monitored excavator removing vegetation from the north slope on top of the exit ramp.

**Additional Comments**

N/A

Signature





08-20-2021\_scraping\_facingSouthEast.jpg



08-20-2021\_grading\_and\_slope\_cleanup\_facingWest.jpg





08-20-2021\_graded\_area\_just\_outside\_work\_limits\_DG-4\_facingSouth.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	56 °F	0-3 MPH	60 %
<b>End of Day</b>	15:05	82 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1. Grading
2. 3 graders, mini bulldozer, front loader, bulldozer, water trucks, scraper. Truck dropping off containers
3. Griffiths construction; Joe Griffiths

**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 ground squirrel, Cabbage white butterfly, Swallowtail, Side-blotched lizard, Whiptail, Amazona sp., COHA, CORA, CALT, KILL, MODO, BLPH, HOFI, ANHU, ACWO, LEGO, SOSP

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

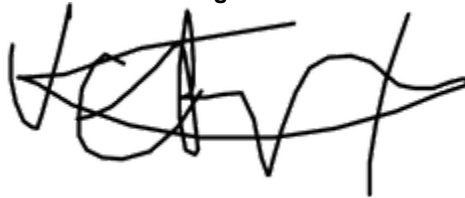
**Log Entry**

0610: Conducted roadways clearance sweep - reptile fencing down in a few sections.  
0730: Monitoring construction activity.  
0940: Conducted roadways clearance sweep.  
1115: Monitored construction.  
1220: Conducted roadways clearance sweep.  
1330: Observed south section of vegetation on West edge.  
1505: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Grading\_top\_section\_082321.jpg**  
-118.17348 34.18762



**Grading\_in\_the\_SouthWest\_082321.jpg**  
-118.17517 34.18681



**Rolling\_in\_the\_South\_082321.jpg**  
-118.17508 34.18684



**Reconfigured\_exit\_route\_082321.jpg**  
-118.17558 34.18712

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	55 °F	0-3 MPH	40 %
<b>End of Day</b>	15:00	86 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Grading, front loader sifting out rocks from south and lining base of slope around the center point on the Eastern edge.
2. 3 graders, 3 bulldozers (large, med, small), scraper, 1 water truck, 1 front loader, a roller
3. Griffiths construction; Johnny Griffiths, 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:**

SOSP, CALT, Amazona sp., CASJ, COHA, CORA, Whiptail, ANHU, BUSH, ACWO, California ground squirrel, MODO, European honeybee, Side-blotched lizard, Cabbage white, BLPH, Gulf fritillary, Western tiger swallowtail, Beefly

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

**Log Entry**

0610: Conducted roadways clearance sweep.  
0725: Assessed route to escort bulldozer.  
0750: Escorted bulldozer on site.  
0815: Gave WEAP training to operator Justin Dutton.  
0840: Escorted excavator off site.  
0930: Conducted roadways clearance sweep.  
0936: Call from Emily R.E. Eastern section fence removal spoke with Lauren / Rodney.  
1025: Scoped vegetation on east side of new road grading, observed removal.  
1055: Observed mini dozer grade western and upper eastern slope of new road.  
1230: Noted Nature's Image fixing reptile fencing.  
1500: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Escorting\_bulldozer\_onsite\_082421.jpg**  
-118.16797 34.19784



**Escorted\_out\_excavator\_082421.jpg**  
-118.16711 34.19874



Mini\_bulldozer\_grading\_new\_road\_edges\_082421.jpg  
-118.17682 34.18668



Grading\_southern\_section\_082421.jpg  
-118.17656 34.1865

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: August 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	63 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	91 °F	0-3 MPH	45 %

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

Construction Monitoring

**Construction Activity:**

Scraper grading road ramp at south west corner

**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, OCWA, ANHU, CAJA, Red-crowned parrot, CORA, CALT, BEWR, MODO

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

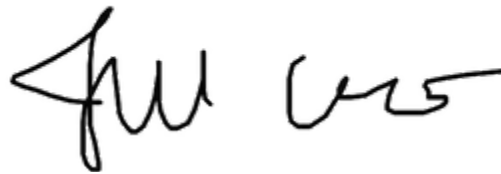
**Log Entry**

Arrived on site at 0710. Monitored grading of road over in south west corner. Escorted excavators off the site. Checked vegetation up near wash area for hand removal.

**Additional Comments**

N/A

**Signature**







Grading\_facingNorthWest.jpg  
-118.1769 34.18639



Grading\_facingSouthEast.jpg  
-118.177 34.1865



**Grading\_lookingNorth.jpg**  
-118.17674 34.1864

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:06	101 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Grading, loading dirt into dump trucks from northern end, forklift moving dirt plates from original exit
2. 2 large bulldozers, 1 mini bulldozer, 3 dump trucks, 1 water truck, 1 front loader, 1 scraper, forklift crane
3. Griffiths construction; Johnny Griffiths

**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:**

Amazona sp., COHA, CORA, CASJ, CALT, MODO, YEWA, ACWO, RTHA, CLSW, Western tiger swallowtail, Whip tail, Gulf fritillary butterfly, Cabbage white butterfly, Coyote, Gray squirrel, Side-blotched lizard

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

**Log Entry**

0610: Conducted roadways clearance sweep.

0730: Observed grading in South section.

0935: Conducted roadways clearance sweep.

1100: Observed vegetation along western edge - YEWA singing.

1215: Observed backhoe level channel to the West of roadside.

1245: Conducted roadways clearance sweep.

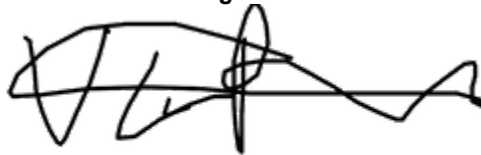
1300: Observed team of 2 with forklift crane removing ESA fencing.

1345: Continued conducting roadways clearance sweep. Observed grading in South section.

**Additional Comments**

N/A

**Signature**





**Backhoe\_leveling\_on\_West\_side\_of\_new\_road\_082621.jpg**  
-118.17678 34.18668



**Bulldozers\_grading\_roadway\_082621.jpg**  
-118.17558 34.18761



Mini\_dozer\_and\_front\_loader\_clearing\_debris\_into\_container\_082621.jpg  
-118.17557 34.1877



Front\_loader\_loadng\_dirt\_into\_dumptruck\_082621.jpg  
-118.17158 34.19318

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: August 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:11	65 °F	0-3 MPH	0 %
<b>End of Day</b>	15:06	100 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Grading, removing ESA fence sections, loading dirt mixed with CMB into dump trucks and moving it to new road / off site.
2. 2 large bulldozers, 1 roller, 1 front loader, 1 box grader, 1 scraper (blade), 2 dump trucks, 1 water truck, crane forklift, 1 grader (arrived on site around 1320)
3. Griffiths - Johnny

**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:**

CANG, CORA, LEGO, NOMO, BEWR, CASJ, SOSP, YEWA, ACWO, Amazona sp., Cottontail, Cabbage white butterfly, Gulf fritillary butterfly, Western tiger swallowtail, Western toad

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

**Log Entry**

0610: Conducted roadways clearance survey.

0740: Observed lubricant (pink jelly) globules near shipping container on West edge - alerted Johnny - immediately cleaned up.

0745: Observed construction activities.

0850: Monitored 3 man crew with crane forklift remove ESA fencing along West edge between dam face and new road.

0930: Conducted roadways clearance survey.

1000: Observed skip loader (with box grader attachment) operated by Josh begin filling in drainage area in front of Alta dena drain (where the pump was).

1045: Observed vegetation in West - heard YEWA singing and calling.

1200: Conducted roadways clearance survey.

1240: Walked route to bring in grader.

1255: Escorted grader on site (same operator from earlier in the week).

1320: Observed front loader fill basin in front of Alta dena drainage (where pump was). Western toad (juvenile) crushed by machine. Relocated 2 western toads, a wolf spider and 6 sideblotched lizards (juveniles).

**Additional Comments**

N/A

**Signature**





**Bulldozers\_grading\_in\_SouthWest\_section\_082721.jpg**  
-118.17497 34.18738



**Boxgrader\_grading\_in\_South\_082721.jpg**  
-118.17583 34.18862





Overview\_standing\_in\_SouthWest\_corner\_082721.jpg



Removed\_ESA\_fencing\_on\_West\_side\_of\_dam\_082721.jpg  
-118.17557 34.18615

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: August 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	68 °F	0-3 MPH	50 %
<b>End of Day</b>	15:00	86 °F	4-6 MPH	30 %

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

Construction Monitoring

**Construction Activity:**

1. Grading.
2. One blade, two bulldozers, one front loader, one scraper, one skip loader, one water truck.
3. 7 personnel (Griffith; 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:**

CASJ, RLPA, MODO, CORA, AWPE, ACWO, SOSP, HOFI, EUST

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

**Log Entry**

0645: Arrive on site, attended tailboard.

0705: Monitored grading activities just east of the exit ramp.

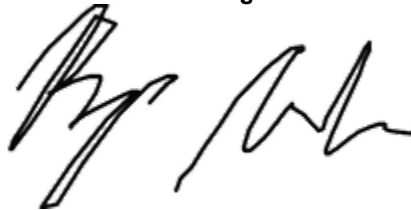
0745: Monitored the removal of piping and pumps adjacent to the Altadena Drainage.

1420: Monitored finish grading just west of the staging area.

**Additional Comments**

N/A

**Signature**





08-30-2021\_grading\_facingSouthWest.jpg



08-30-2021\_finish\_grading\_facingSouth.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: August 31, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:05	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	73 °F	0-3 MPH	95 %

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

Construction Monitoring

**Construction Activity:**

Grading 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:**

CAJA, BEWR, CALT, WREN, ATFL, ANHU, CORA, CAQU, Red-crowned parrot

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0750: Arrived on site.

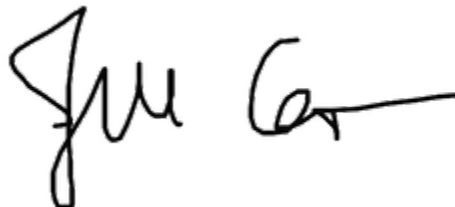
Only grading taking place

1500: Left site.

**Additional Comments**

Started sprinkling @ 2:30pm First photo facing SouthEast (would not let me change title)

**Signature**





photo\_1\_grading\_facingSouthEast.jpg  
-118.17384 34.18758



**Grading\_facingSouthWest.jpg**  
-118.17486 34.18763

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: September 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	66 °F	0-3 MPH	100 %
<b>End of Day</b>	15:05	72 °F	0-3 MPH	95 %

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

Construction Monitoring

**Construction Activity:**

Monitor mining pit vegetation removal/contouring

**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, CASJ, CORA, ANHU, CALT, BUSH, BGGN, Red-crowned parrot, BEWR, Whiptail, Alligator lizard

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

**Log Entry**

0700: Arrived on site.

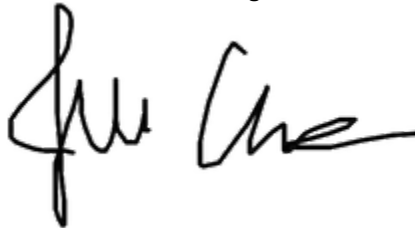
0710-1500: Monitored mining pit area, vegetation removal and contouring/flattening area, relocating whiptails/alligator lizard.

1505: Left site.

**Additional Comments**

N/A

**Signature**





Grading\_facingWest.jpg  
-118.17347 34.18847





Scrapping\_while\_being\_watered\_facingEast.jpg  
-118.17256 34.1932



Scrapping\_while\_being\_watered\_North.jpg  
-118.17239 34.19332



Scrapping\_while\_being\_watered\_facingWest.jpg  
-118.17224 34.19344

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: September 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:55	68 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	90 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

8 Griffith at tailboard & 2 mechanics. Grader working channel midway bottom of basin. 1 dozer, 1 forklift, 1 water truck helping with demobilization activities. Natures Image crew weeding DG-3A 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:**

Parrots, CORA, ACWO, MODO, RSHA, RCKI, LEGO, BUSH, HOFI, CALT, CASJ, KILL, SOSP, ANHU, AMCR, RTHA, SPTO, ATFL, BEWR, BGGN, Uta stansburiana

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

**Log Entry**

0705-0730: Completed installment of silt fence secured with sandbags around former tire wash area.

0740: Flatbed arrived, loaded small dozer for removal from site.

0800: 2 laborers pulling ESA orange fence and rebar from North East corner and working east. Loading on to forklift and in backhoe bucket for disposal.

0820-0840: Walked D9 to north staging area for pick up. John and Rodney opened gates. Avoided 1 oak and 1 sycamore on trek out.

1000-11:30: 18-20 LACPW job walk through entire basin

1440: Final load of fencing and rebar. Some still in weedy slope that will be picked up tomorrow. More than 3/4 completely removed.

**Additional Comments**

N/A

**Signature**





**Silt\_fence\_tire\_wash\_facingWest.jpg**  
-118.17786 34.18652



**Spread\_stockpiles\_mining\_pit\_facingSouth.jpg**  
-118.17241 34.19353



ESA\_fence\_removal\_facingNorth.jpg  
-118.17384 34.1907

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: September 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:55	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

8 Griffith at tailboard. 1 scraper, 1 water truck, 1 skip loader, 1 fork lift, 1 dozer between 3 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:**

LEGO, CALT, BUSH, Parrots, HOFI, NUWO, ACWO, CASJ, WREN, California ground squirrel, Coastal whiptail, CORA, CAQU, AMKE

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

**Log Entry**

0700: Walked removed ESA fenceline with 3 laborers gathering all zipties, broken orange fencing, ESA stakes, as well as public non-construction trash.

0950: 3 Griffith continued walking bottom of basin from dam to north end picking up trash.

1010: Walked ahead of dozer to north exit for transport offsite. John and Roland present. Noted some drips under staged scraper...John placed drip pan under.

1045: Returned to trash pickup crew and remainder of ESA fence removal.

12:45-1:30: Grader grading bottom of slope mid basin with water truck. Keith and Enrique cleaned up ingress road and removed stakes around Alta Dena drainage. Spoke with Natures Image about silt fence on either side of road that is down in 3 place to try and determine who should maintain fence if it is to remain in place.

1:30-2:15: Keith and Enrique cleaned up egress road.

2:30: Keith and Doug removed Authorized Personnel sign at entry,

2:45: Water truck and Keith washing down concrete at exit below tire wash due to high Tetra Tech readings.

3:00: Bio monitor departed from site.

**Additional Comments**

**Signature**





**Equipment\_Removal\_facingNorthEast.jpg**  
-118.16721 34.19852



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: September 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:50	68 °F	0-3 MPH	0 %
<b>End of Day</b>	14:41	89 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Grading 1 Backhoe, 1 bulldozer, 1 water truck, hand tools Griffith Company - Joe (foreman) + crew of 8

**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, Parrot, CASJ, RTHA, BUSH, MODO, COHA, BLPH

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

**Log Entry**

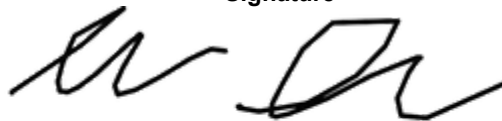
0720: Monitored grading to widen channel at perimeter of basin and rock removal.

1415: Monitored grading along slope at SW corner of basin.

**Additional Comments**

N/A

Signature





**photo\_1-20210907-grading\_facing NorthEast.jpg**



**photo\_2-20210907\_channel\_before\_grading\_facing\_South.jpg**  
-118.17319 34.18891



photo\_3-20210907\_grading\_top\_of\_slope\_facing\_SouthWest.jpg  
-118.17625 34.18741

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: September 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:50	68 °F	0-3 MPH	0 %
<b>End of Day</b>	14:47	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Trailer and equipment removal, grading 1 crane, 1 forklift, 1 water truck, 1 bulldozer, 2 flat bed trucks Griffith Company - John, Doug, and Tony; Hill Crane

**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, AMCR, parrot, ACWO, BUSH ,HOFI, LEGO, CASJ, NOMO, PHAI, COHA, TUVU, KILL, SPTO, MODO

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

**Log Entry**

0715: Monitored removal of scales and trailer.  
0745: Monitored grading along western access road and slope.  
1235: Monitored dismantling of sound wall.

**Additional Comments**

N/A

**Signature**





photo\_1-20210908\_loading\_trailer\_and\_scales\_facingNorth.jpg  
-118.17632 34.1879



photo\_2-20210908\_grading\_at\_base\_of\_western\_slope\_facingWest.jpg  
-118.17635 34.18751



photo\_3-20210908\_dismantling\_sound\_wall\_facingEast.jpg  
-118.17316 34.18512

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: September 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:05	70 °F	0-3 MPH	35 %
<b>End of Day</b>	15:00	91 °F	0-3 MPH	15 %

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

Construction Monitoring

**Construction Activity:**

Removing sound wall and replacing drainage basin near tire wash 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:**

SPTO, CALT, ACWO, BUSH, CORA, SOSP, WBNU, BEWR, CAQU, CASJ, KILL

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Remove sound wall, replace drainage ditch.

**Additional Comments**

N/A

Signature





Sound\_wall\_work\_facingWest.jpg  
-118.17312 34.18507





Replacing\_drainage\_basin\_facingWest.jpg  
-118.17838 34.18665

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: September 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	72 °F	0-3 MPH	75 %
<b>End of Day</b>	14:50	94 °F	0-3 MPH	30 %

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

Construction Monitoring

**Construction Activity:**

Haul away sound fence and k-rails

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, MODO, CALT, ACWO, RCPA, SOSP, BEWR

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Haul away sound fence/k-rails

**Additional Comments**

N/A

Signature





Removing\_k-rails\_facingEast.jpg  
-118.17293 34.18506



Hauling\_away\_k-rails\_facingEast.jpg  
-118.17324 34.18512

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill coumoutso**  
**Date of Log: September 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:05	60 °F	0-3 MPH	0 %
<b>End of Day</b>	15:05	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Asphalt repair, haul cement piles, other sound wall debris

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

WBNU, ANHU, CALT, CASJ, BLPH, MODO, LEGO, CORA

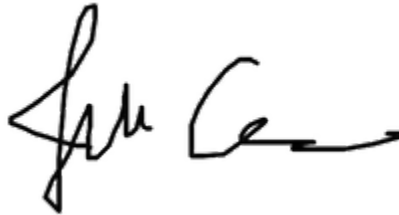
Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Repair made to street where drainage was replaced, taring asphalt. Haul away concrete piles.

**Additional Comments**

Signature





Taring\_near\_drainage\_facingWest.jpg  
-118.17839 34.18675

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Taylor Dee**  
**Date of Log: September 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:50	55 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith conduct site clean up and demobilization activities with a crew of 3 and 1 haul truck driver. Crew used one telescope forklift and one skip loader for the following: to move and load materials for removal off site or disposal, clean drainage grates near trailers, and spread base around trailers.

**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, ALHU, CALT, HOFI, CASJ, Parrot sp., SPTO, BEWR, RTHA, SOSF, CATH, LEGO, ANHU, AMKE, WTSW, WREN, CAQU, MODO, ACWO, NOMO, California ground squirrel

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

**Log Entry**

0650 Arrived. Met for tailboard near trailers with Griffith crew: Johnny, Anthony (Tony); truck driver; LADPW personnel: Rodney, Daniel, and Ramsay. No wifi in LADPW trailer, trailers will be moved out on Thursday. Plan for today is to move materials and equipment from staging area, lay base near trailers, and move out furnifrom trailer. No work planned I reservoir and they would only be using equipment to load materials into haul truck at the staging area.  
0720-1415: Monitored Griffith crew conduct site clean up activities:  
0720: Griffith crew began work and used 1 skip loader and 1 telescope forklift to remove materials (i.e. t-posts, trash, cones, gravel bags, etc...) from the staging area and near the trailers and load into a haul truck and dumpster bin.  
1018: Crew finished cleaning up staging area; all trash was removed. Another company was coming to pick up remaining chainlink. AT&T and Spectrum working on powerline poles west of trailers.  
1024: Crew lifted drainage grates around trailers to clean, remove old silt fabric, and replace the gravel bags.  
1324: Haul truck returned with base and crew used skip loader to spread base immediately south of Griffith trailer.  
1356: Crew done for the day and are putting away equipment for the day. Discussed plan for tomorrow with Joe. They planned to load office furniture from trailers on to staked truck.  
1415: Left site. No impacts to biological resources observed.

**Additional Comments**

N/A

**Signature**





Griffith\_loading\_materials\_out\_of\_staging\_area\_facingSouth.jpg



Griffith\_loading\_Tpost\_into\_haul\_trucks\_facingNorthEast.jpg





Griffith\_cleaning\_drainage\_grates\_facingSouth.jpg



Griffith\_spreading\_base\_around\_trailers\_facingWest.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:17	56 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	85 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Clearing out trailer
2. Loading truck
3. Griffith's construction; Joe, Johnny, Tony

**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, CORA, HOFI, MODO, CALT, CASJ, SOSJP, CAQU, CATH, Whiptail, Amazona species, Side- blotched lizard, Western fence lizard, California ground squirrel, Cabbage white butterfly

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

**Log Entry**

0620: Site clearance sweep.

0700: Work began.

0930: Roadway's clearance sweep.

1000: LACPW truck with 5 personal vehicles approx 12 people by the arroyo deco drainage area. Crew working in SW (restoration?).

1230: Roadway's clearance sweep.

1315: Observed 2 man crew remove furniture from trailer.

1345: Checked over forklift in staging area relocated whiptail basking on tire. Forklift moved to trailer area for collection.

1400: Trailer arrives to collect forklift.

1410: Observed 2 man Griffiths crew clearing trailer.

1445: Observed power plus! Crew maintaining comms at South West end of site (appear to be replacing wire).

1500: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Site\_overview\_looking\_NorthWest\_091521.jpg**  
-118.17372965 34.18600160555555



**staging\_area.jpg**  
-118.17235708333334 34.18803457222222



**Loading\_the\_moving\_truck\_091521.jpg**  
-118.17343583333334 34.185181875



**Filling\_truck\_bed\_from\_trailer\_091521.jpg**  
-118.17335511111112 34.18545424444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:20	55 °F	0-3 MPH	100 %
<b>End of Day</b>	14:25	81 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Digging post holes, erecting sign,
2. Gas powered earth auger, pole digger, bar, box cutter (used for the bucket)
3. Griffiths - Johnny and Tony

**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, CORA, MODO, CASJ, SOSP, ALHU, CALT, CATH, COYE, Amazona sp., Side-blotched lizard, California ground squirrel

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

**Log Entry**

0620: Roadways and site clearance sweep.

0900: Roadway's clearance sweep.

1040: Observed Griffiths crew dig holes for roadside sign.

1200: Roadway's clearance sweep.

1250: Truck hauled away portable toilet from staging area.

1315: Griffiths crew erected sign.

1425: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Site\_overview\_facing\_South\_091621.jpg**  
-118.17427465833333 34.187690905555556



**Site\_overview\_facing\_North\_091621.jpg**  
-118.17428041666668 34.187742316666665



**Hanging\_the\_sign\_091621.jpg**  
-118.17357044444445 34.185087536111105



**Using\_gas\_powered\_earth\_auger\_to\_dig\_hole\_for\_roadside\_sign\_091621.jpg**  
-118.17350883333334 34.185101113888884

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	58 °F	0-3 MPH	100 %
<b>End of Day</b>	13:30	81 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Moving dirt to create exit ramp for trailers, moving equipment out of storage container, relocating storage container
2. Skiploader, forklift crane
3. Johnny and Tony

**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, CORA, CATH, CALT, MODO, CASJ, SOSJ, LEGO, Amazona sp., California ground squirrel, Cottontail, Western tree squirrel, Western fence lizard, Side-blotched lizards

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

**Log Entry**

0615: Conducted clearance sweep.

0700: Work began. Moved road sweeper from lower staging section to upper car park area. Began emptying container in fenced trailer area.

0915: Roadway's clearance sweep.

1035: Observed forklift move container from fenced trailer area to car parking area. Rodent nest (not currently in use) constructed from trash in area beneath container.

1100: Removed section of perimeter fence to remove and clean drain covers within fenced trailer section.

1140: Used skip loader to bring up dirt to create exit ramp for trailer removal.

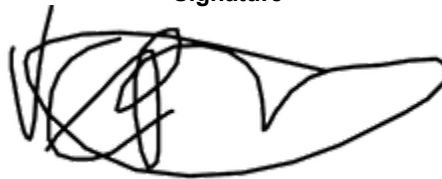
1310: Tidied area where dirt was moved to top section (where the water tower was previously located).

1330: End of construction monitoring.

**Additional Comments**

N/A

**Signature**







Skip\_loader\_moving\_and\_scraping\_dirt\_ramp\_091721.jpg  
-118.17358746111111 34.18520454722222



Removed\_and\_cleaned\_drain\_covers\_091721.jpg  
-118.17345125 34.18520651666666



Removing\_container\_from\_trailer\_area\_to\_parking\_area\_for\_pickup\_091721.jpg  
-118.17342515833334 34.1854326722222



Removing\_fence\_from\_around\_trailer\_area\_091721.jpg  
-118.17350850000001 34.1851970027778

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	63 °F	0-3 MPH	100 %
<b>End of Day</b>	16:58	73 °F	4-6 MPH	60 %

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

Construction Monitoring

**Construction Activity:**

1. Preparing to remove trailers
2. Forklift, skid steer, hand tools
3. Griffiths 2 man crew - Keith, James. Profab crew (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:**

ACWO, Amazona sp., MODO, EUST, CORA, CASJ, Western fence lizard, BARS,

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

**Log Entry**

0630: Conducted site clearance sweep.

0705: Griffiths crew removed a section of perimeter fence.

0730: Forklift arrives. Griffiths crew (Keith & James) remove staircases, piping and plumbing from trailer 1 (green).

0815: Profab inflates tires on trailer 1.

0830: Griffiths crew detach plumbing from trailer 2. Profab make ramp, remove supports on trailer 1.

1110: Begin moving trailer 1.

1200: Griffiths remove further section of fence.

1220: Parked trailer #1 on bridge.

1230: James operating the skiploader brings loads of dirt to exit ramp. Profab remove metal supports from ground.

1350: Profab begins removing metal supports from trailer 2, and inflate tires. Griffiths remove staircase.

1505: Begin moving trailer 2.

1615: Parked trailer 2 in front of trailer 1 on bridge. Griffiths crew began putting perimeter fence back up.

1620: Profab began loading equipment.

1650: End of monitoring.

**Additional Comments**

N/A

**Signature**





Griffiths\_crew\_removing\_pipes\_housing\_wiring\_092821.jpg  
-118.17354630555556 34.185330025



Griffiths\_crew\_removing\_piping\_092821.jpg  
-118.17342544444445 34.18544996944444



Profab\_stacking\_wood\_beneath\_trailer\_092821.jpg  
-118.1735430388889 34.1853426805555



Profab\_removing\_trailer\_from\_compound\_092821.jpg  
-118.1733667666667 34.1853292277777

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	57 °F	0-3 MPH	40 %
<b>End of Day</b>	14:19	77 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

1. Picking up trailers, cleaning up trailer lot site
2. 2 bobtails (semis), forklift, hand tools,
3. Profab; 2 semi operators plus 2 crew. Griffiths; 2 crew Keith & Bryan. Ace fencing: 2 crew

**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, MODO, ACWO, EUST, CASJ, HOFI, ANHU, Amazona sp., Side blotched lizard

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

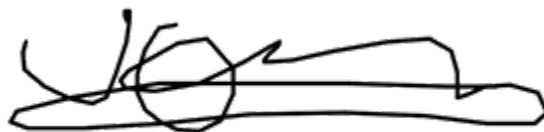
**Log Entry**

0630: Arrived on site, gate locked.  
0645: Conducted site sweep.  
0650: Profab swept site in compound and loaded equipment.  
0725: Semi truck arrived, hooked up to trailer 2 (blue).  
0740: 2nd semi truck arrived. First semi connected and hooking up brake lights.  
0845: 2nd semi hooked up to trailer 1.  
0935: Keith returns with truck to collect materials.  
0945: Forklift (Bryan) moved septic tank to parking lot.  
0950: Bryan and Keith loaded truck with equipment and trash.  
1005: Bryan left Keith continued.  
1015: Ace fencing arrived - 2 man crew.  
1045: Keith left with first load.  
1100: Ace fencing began working on upper section by road excavating holes for posts.  
1220: Placed fence posts poured concrete.  
1250: Keith returns for 2nd load.  
1330: Forklift (Keith) unloaded pallet of concrete.  
1345: Forklift (Keith) loaded fencing equipment from lower staging area.  
1415: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Loading\_septic\_tank\_onto\_forklift\_092921.jpg**  
-118.17333533333334 34.18518082777778



**Hooking\_up\_trailer\_2\_(blue)\_onto\_the\_bobtail\_092921.jpg**  
-118.17364525 34.18523334444444



Pouring\_concrete\_for\_fence\_posts\_by\_main\_road\_092921\_Ace fencing.jpg





Loaded\_fencing\_equipment\_from\_lower\_staging\_area\_092921.jpg  
-118.17250594444445 34.18815305

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Verity Richardson**  
**Date of Log: September 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:20	54 °F	0-3 MPH	100 %
<b>End of Day</b>	14:36	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Griffiths; Removing CMB contaminated dirt from inside compound off site and grading the slope. Ace; excavating fence holes, pouring concrete, installing fence
2. Skid steer, dump truck,
3. Griffiths; Johnny, Tony, Joe. Ace; Marco, Francisco & 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:**

ACWO, EUST, MODO, CORA, CASJ, ANHU, TUVU, Amazona sp., side-blotched lizard,

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

**Log Entry**

0620: Site clearance sweep.

0705: Dump truck arrived.

0710: Griffiths began removing section of perimeter fence.

0715: Ace fencing began excavating post holes.

0720: Skid steer (operated by Johnny) began removing CMB mixed dirt from compound into dump truck.

0815: Dump truck left with first load. Dirt moved to side road by East exit.

0840: Loaded forklift onto flatbed.

0905: Ace crew began pouring concrete into post holes.

1100: Griffiths swept compound area.

1230: Ace fencing began attaching bars between fence posts followed by anchoring wires.

1340: Closed up old fencing around compound.

1350: Put up bars between posts and wire supports on fencing section by eastern entrance.

1430: End of monitoring.

**Additional Comments**

N/A

**Signature**





**Backhoe\_moving\_dirt.jpg**  
-118.173422675 34.18522948333333



Pouring\_concrete\_into\_fence\_post\_holes\_093021.jpg  
-118.17342625 34.18525433888889



**Moving\_dirt\_from\_ramp\_to\_road\_by\_East\_exit\_093021.jpg**  
-118.17355486111111 34.18535194444444



**Ace\_fencing\_attaching\_cross\_bars\_between\_fence\_posts\_093021.jpg**  
-118.17344237222223 34.18524683333333

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**APPENDIX D**

Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	100 %
<b>End of Day</b>	14:20	91 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling perennial pepperweed and poison hemlock in DG-W-2 (mining pit and mining pit outlet), and in the open areas of DG-4 adjacent to the mining pit outlet 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:**

COYE, CALT, ANHU, ALHU, HOFI, LEGO, WREN, CASJ, CATH, CAQU, ACWO, desert cottontail, MODO, NRWS, BARS, WTSW, COHA, western fence lizard, western toad

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

**Log Entry**

0645: monitored vegetation clearing in DG-W-2 mining pit outlet. Crew was progressing south pulling poison hemlock and perennial pepperweed.

0800: surveyed the planted area east of the channel in DG-4 and also DG-5.

1030: crew began finishing up the channel. Found some small patches of pepperweed and poison hemlock for them to pull near the top of the channel and a section of the mining pit which had been missed. Monitored vegetation clearing.

1130: met with Mark Gim and gave him a walkthrough of the site.

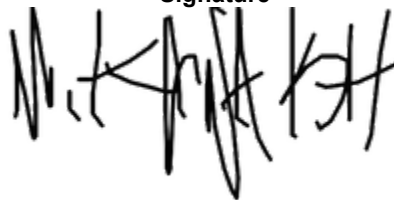
1200: resumed monitoring in the aforementioned areas.

1415: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_clearing\_DG-W-2\_outlet\_facingS.jpg  
-118.17482 34.19185



photo\_2-after\_vegetation\_clearing\_DG-W-2\_outlet\_facingS.jpg  
-118.17477 34.19191





photo\_3-progress\_on\_fencing\_facingS.jpg  
-118.17463 34.19351

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	14:08	90 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling Italian thistle, mustard, and assorted exotic herbs in DG-5; 4 of whom went on to work on fencing mid morning near DG-4C.

**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, CASJ, CALT, LEGO, BUSH, NUWO, ALHU, MODO, SPTO, ACWO, HOFI, RCPA, YEWA, NRWS, San Diego gopher snake, ANHU, western fence lizard, BEWR, ATFL, CATH, BGGN, CAQU, SOSP, coastal whiptail, side-blotched lizard, California ground squirrel

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

**Log Entry**

0645: performed a nesting bird survey in DG-5.

0710: monitored vegetation clearing in DG-5.

0800: relocated a western fence lizard from DG-5 to DG-4; it was too sluggish to relocate itself and was at a trampling risk.

0845: 4 crew members separated from the weeding crew to work on fencing near DG-4C. Surveyed their work area and then moved down the channels to survey a pocket of DG-4 we plan to complete soon. YEWA heard in an area which has already been put into collector.

0915: found a potential nest (CASJ-13) in DG-4. Likely under construction- a bird was not seen constructing it, but the vegetation used was still bright green, implying that it was recently added. Numerous CASJ in area; species of nest constructor is an inference.

1320: moved crew east to upland planted area of DG-4 near the sheetflow area. Monitored vegetation clearing.

1400: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-Before\_pulling\_DG-5\_facingNW.jpg**  
-118.17691 34.19092



**photo\_2-after\_pulling\_DG-5\_facingNW.jpg**  
-118.17678 34.19085



photo\_3-excavator\_use\_facingNE.jpg  
-118.17451 34.19363



photo\_4-daily\_fencing\_progress\_facingS.jpg  
-118.1744 34.19369

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: July 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	65 °F	0-3 MPH	20 %
<b>End of Day</b>	09:00	71 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 installing silt fencing along east road to prevent herps, in particular two striped garter snakes, from crossing the road near Altadena Drain

**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, KILL, CALT

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

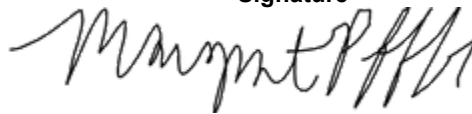
**Log Entry**

0645 met with crew to delineate boundaries of silt fencing along either side of road dividing DG-3A at Altadena Drain.  
0745 crew using onsite material, piled from grading the road, to fill sandbags.  
0750-0800 observed trimming mule fat along edge of road to make room for fence. Low bird activity in area despite water source. No herps observed in work area.  
0900 No nests in area and crew working primarily in road, so monitor felt comfortable leaving crew to finish working without a monitor.

**Additional Comments**

N/A

**Signature**





**Fence install\_east road\_facingS.jpg**  
-118.17327 34.18693



**Filling sandbags.jpg**  
-118.17355 34.18654



**Securing fence with sandbags.jpg**  
-118.17338 34.18655



**Trimming vegetation for fence.jpg**  
-118.17306 34.18747

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	59 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	86 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling poison hemlock, mustard, and perennial pepperweed in DG-4, with 4 of the crew working on fencing near 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:**

CALT, MODO, BGGN, BUSH, CASJ, CATH, NUWO, ACWO, BEWR, SPTO, ALHU, CORA, LEGO, HOFI, CAQU, COHA, RTHA, CAKI, desert cottontail, coastal whiptail, western fence lizard, western toad, side-blotched lizard

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

**Log Entry**

0645: performed a nesting bird survey in DG-4 in 2 areas: the upland planted area south of DG-4 sheetflow, and the 2 planted areas at the north end of the twin boulder field.

0705: cleared crew to work. Monitored vegetation clearing in the aforementioned areas beginning near the sheetflow area. Area overgrown with mustard and poison hemlock.

0845: one crew member began fixing irrigation leaks near DG-5.

0900: surveyed the area near DG-4C and 4 crew members began working on fencing.

1300: crew finished up with the area south of DG-4 sheetflow, shifted efforts to north end of boulder field (DG-4).

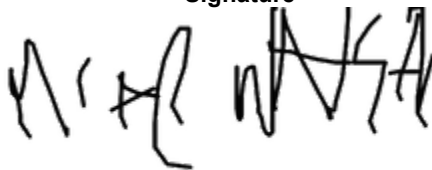
Monitored vegetation clearing.

1415: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature







**photo\_1-before\_weeding\_DG-4\_facingN.jpg**  
-118.17616 34.19092



**photo\_2-after\_weeding\_DG-4\_facingN.jpg**  
-118.17612 34.19097



photo\_3-crew\_measuring\_fencing\_facingN.jpg  
-118.17415 34.19401



photo\_4-excavator\_use\_facingSW.jpg  
-118.17422 34.19401

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: July 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	90 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of about 13, Daniel Holmes foreman, pulling weeds in southwest project area. (Regular crew plus temp crew plus Lake Forest crew.) Daniel is still working on fence with 2-3 other personnel, so Andre is leading the weeding 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:**

COYE, CASJ, HOFI, ACWO, RCPA, CASJ, MODO, western fence lizard, NUWO, HOWR, LEGO, CALT, BUSH, coastal whiptail, BGGN, BHGR, BEWR, YEWA @ 34.191191°N 118.176121°W (slightly more north than they usually are), ANHU, SOSP, California ground squirrel, side-blotched lizard

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

**Log Entry**

0645 main crew moves to 'boulder' area at south end of old access road/trail, DG-4 planted area. Near black willow canopy edge and scattered mule fat, weeds are mostly pepperweed, poison hemlock in full seed (needless to say, this area should have been hit earlier, but that's the case for most of this southwest section). Things are getting dried out, not much understory nesting habitat available. Cleared buffers around several older inactive nests.

0900 workers found a cold CAQU egg in a spot that I had surveyed in detail, no CAQU in area, no nest found. A second similar egg was found yesterday about 50 feet away which I found as well. The eggs appear to have been lost/failed before we arrived at this site.

0915 I cleared a section of the pepperweed-infested ravine bottom where several workers began pulling, but Andre confirmed that they are to stay in the 'upland' area where the irrigation is, for now.

1000-1040 I surveyed the north end of the ravine (34.191064°N 118.175896°W vicinity) around ACWO-06, where there is a lot of back and forth bird activity (SPTO CALT HOFI ACWO MODO BGGN BHGR etc.) but no solid leads on any nesting. Bird activity in afternoon very light, no nearby nesting suspected.

**Additional Comments**

N/A

**Signature**





**photo\_1-hand-pulling\_DG-4\_facingSE.jpg**  
-118.17578 34.1908



**photo\_2-after\_hand-pulling\_DG-4\_facingSE.jpg**  
-118.17582 34.19085



photo\_3-after\_hand-pulling\_DG-4\_facingNW.jpg  
-118.17545 34.19079

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	72 °F	0-3 MPH	50 %
End of Day	15:30	90 °F	7-9 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 22 hand pulling perennial pepperweed, poison hemlock, mustard, and passionflower in DG-4 south of the main parking lot, also near the area south of the primrose field. 4 of the aforementioned crew members worked on fencing near the north parking lot on the west side most of the day.

**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, BEWR, SPTO, ANHU, WREN, YEWA, LEGO, CASJ, COHA, HOFI, SOSP, MODO, BGGN, ACWO, CAQU, western fence lizard, ROPI, California ground squirrel, desert cottontail

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

**Log Entry**

0645: performed a nesting bird survey. Started with DG-4 at south end of the parking lot, cleared crew to work. Moved to southern areas of west side, performed a nesting bird survey in case the crew finished work in their current location. Heard yellow warbler in an area already recorded in collector. Found Cooper's hawk nest (COHA\_1). Adults were feeding juveniles, who were hopping around near the nest but were not observed flying. Juveniles seemed agitated at my presence upon noticing me from 50 feet away. Crew was advised to avoid and a 150 foot buffer was implemented.

0815: monitored vegetation clearing in DG-4.

0905: 6 crew members were moved to the planted areas near the trail, just south of the primrose field. Area was overgrown by passionflower. Monitored vegetation clearing.

1300: resurveyed CASJ\_13. It had not changed at all since discovery, at which point it was incomplete. Marked as inactive on collector.

1415: crew began wrapping up pulling while I inspected the site and took the bi-weekly photos of the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_pulling\_DG-4\_near\_paking\_lot\_facingS.jpg  
-118.17561 34.19193



photo\_2-after\_pulling\_DG-4\_near\_paking\_lot\_facingS.jpg  
-118.17556 34.19194



photo\_3-excavator\_digging\_facingE.jpg  
-118.17295 34.19377



photo\_4-fence\_progress\_facingS.jpg  
-118.17279 34.19406



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:17	93 °F	7-9 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 24 hand pulling mustard and perennial pepperweed in DG-4 just east of the mining pit outlet channel, 4 of whom worked on fencing near the north parking lot 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:**

CASJ, BUSH, SPTO, RCPA, HOFI, ANHU, ACWO, CAKI, western fence lizard, CORA, BGGN, CALT, ALHU, CAQU, LEGO, COYE, coastal whiptail, side-blotched lizard, desert cottontail, California ground squirrel, RTHA

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

**Log Entry**

0645: performed a nesting bird survey in DG-4, in the central planted area, east of the staging area and the channel.

0655: cleared crew to work. Monitored vegetation clearing.

0700: fencing crew began working near the northwest parking lot. The area was full of large underground rocks, which made progress slightly slower than usual.

0900: resurveyed BUSH\_7, nest was inactive.

1130: crew moved into open area near BUSH\_7, had a talk with the crew about keeping the ground intact and not raking it down to the dirt, which was covered in downed logs in this area. Advised crew to avoid a Yellowjacket nest.

1400: crew began wrapping up pulling while I inspected the site and planned for Monday morning with foreman Daniel Holmes.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_removal\_DG-4\_facingE.jpg  
-118.17458 34.19167



photo\_2-after\_vegetation\_removal\_DG-4\_facingE.jpg  
-118.17455 34.19169



photo\_3-excavator\_and\_rocky\_terrain\_facingS.jpg  
-118.17278 34.1941



photo\_4-daily\_fence\_progress\_facingSE.jpg  
-118.17262 34.19455

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	88 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 hand pulling perennial pepperweed and poison hemlock in DG-2, DG-2 new channels, crew of 3 installing fencing near the NW Parking lot.

**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, ACWO, CAQU, RCPA, SPTO, NUWO, CASJ, WREN, HOFI, BUSH, MODO, desert cottontail, BEWR, ANHU, ALHU, WTSW, California ground squirrel.

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

**Log Entry**

0645: crew met up on the west side in the main parking lot before driving to the east side via the downhill haul truck trail. I have a tailgate meeting regarding safety and right of way with trucks, also reiterated to carefully watch for herps and other wildlife while driving on the trails. Escorted the crew down the hill, leading to watch for wildlife. Upon parking, I performed a nesting bird survey in the planned work area.

0715: monitored vegetation clearing in the east side channels, starting in the northeast corner. Area was regrown with hemlock and pepperweed, none of which I could find had dropped seed yet. Area had sparse *Nicotiana glauca*, showed newer crew members how to properly remove it to prevent regrowing.

1400: met with foreman Daniel Holmes to discuss fencing. Progress was severely slowed by the large subsurface boulders present in the area.

1500: went back to the east side to photograph the site and inspect it while the crew began wrapping up.

1515: Escorted crew out the South gate.

**Additional Comments**

N/A

Signature





photo\_1-before\_veg\_removal\_DG-2\_facingN.jpg  
-118.1716 34.19039



photo\_2-after\_veg\_removal\_DG-2\_facingN.jpg  
-118.17155 34.19048



photo\_3-before\_veg\_removal\_DG-2\_facingE.jpg  
-118.17169 34.19059



photo\_4-after\_veg\_removal\_DG-2\_facingE.jpg  
-118.17186 34.19088

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	70 %
<b>End of Day</b>	14:30	84 °F	7-9 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 hand pulling perennial pepperweed and poison hemlock in DG-2, DG-2 new channels. Crew of 4 installing fencing near the NW parking lot.

**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, HOFI, CASJ, RCPA, MODO, LEGO, CALT, desert cottontail, ALHU, NUWO, CAQU, western toad, CATH, BHCO, NOMO, OATI, BASW, CORA, RTHA, SPTO, BAOW, WREN, California ground squirrel, western fence lizard, ROPI, BUOR, RTHA.

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

**Log Entry**

0645: performed a nesting bird survey in DG-2.

0700: monitored vegetation clearing near northeast side of the channels in DG-2 progressing south. Channel was overgrown with perennial pepperweed and some poison hemlock, none of which had gone to seed.

0845: went to west side to briefly check on fencing crew. Surveyed remaining area for nests.

0920: resumed monitoring vegetation clearing.

1255: checked on BEWR\_2. No activity, nest likely fledged. Removed buffer.

1420: crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_weed\_pulling\_DG-2\_facingE.jpg**  
-118.17179 34.19066



**photo\_2-after\_weed\_pulling\_DG-2\_facingE.jpg**  
-118.17174 34.19066





photo\_3-before\_weed\_pulling\_DG-2\_facingS.jpg  
-118.17159 34.19043

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: July 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	89 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 incl Didier Ramos, foreman. Hand-pulling on east 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:**

SPTO, CALT, WESJ, CAQU, LEGO, HOFI, RCPA, WREN, BLPH, BEWR, western toad, OATI, ACWO, 5-ft gopher snake seen along the road, discovered by Daniel Holmes while driving to get fence supplies and I was nearby, Ca gr squirrel, AMCR, PHAI

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

**Log Entry**

0645 workers are starting just south of Johnson Field in planted areas in DG-2 New Channels and DG-2 under willows. Weeds include Chenopodium album, Conium maculatum, Dysphania botrys, Dysphania ambrosioides, tocalote, Hirschfeldia, Amaranthus, Anthemis, Plantago arenaria, Euphorbia peplus, Raphanus sativus, tree of heaven, Marrubium, pepperweed, etc.

0930 everyone is under willow canopy in DG-2.

1130 after lunch contiuing in same general DG-2 'upland' area, moving south. Bird activity fairly light in the heat of the day with no signs of active nesting. Workers are getting the western edge against the fence (mustards, hemlock etc).

1400 half the group returns to channel to continue southward weeding. Some brief calls by CALT near WESJ that I thought were alarm calls, but no indication of any nest and the CALT continued intermittently calling while simply foraging nearby. I remind crew to get weeds inside plant cages.

1500 Crew done

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_DG-2\_facingE.jpg  
-118.17232 34.1911



photo\_2\_hand-pulling\_DG-2\_facingNW.jpg  
-118.17189 34.19088



photo\_3-hand-pulling\_DG-2\_New\_Channel\_facingSW.jpg  
-118.17195 34.19094

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:20	90 °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 and poison hemlock in DG-2, DG-2 new channels. Crew of 4 working on fencing near the NW parking lot. Crew of 6 spent the day looking for irrigation leaks.

**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, WREN, CALT, ANHU, SPTO, RCPA, LEGO, ALHU, CORA, NUWO, CATH, SOSP, OATI, BEWR, RTHA, coastal whiptail, California ground squirrel, ACWO.

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

**Log Entry**

0645: had a tailgate meeting with the crew about the days plan and target species. The natures image crew of 6 from Hemet broke off immediately to sweep the whole site for irrigation issues, leaving the regular crew of 9.

0655: monitored vegetation clearing on the northern side of the channels. primary focus was perennial pepperweed and poison hemlock, with scattered Ricinus communis and Dysphania ambrosioides. Minimal bird activity in work area, foraging CALT and CASJ.

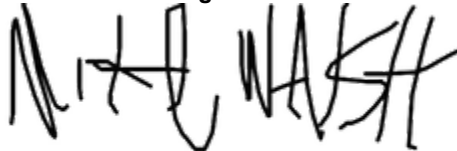
1000: Surveyed DG-2 WOUS for nests.

1416: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_weeding\_DG-2\_facingN.jpg  
-118.17228 34.18995



photo\_2-after\_weeding\_DG-2\_facingN.jpg  
-118.17225 34.18997



**photo\_3-before\_weeding\_DG-2\_facingS.jpg**  
-118.17195 34.1901



**photo\_4-after\_weeding\_DG-2\_facingS.jpg**  
-118.17193 34.19006

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	80 %
End of Day	14:30	90 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 hand pulling perennial pepperweed and poison hemlock in DG-2, DG-2 newchannels/WOUS. Crew of 4 also installing fencing near northeast parking lot.

**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, RCPA, CATH, CASJ, BEWR, LEGO, BASW, SOSP, CAQU, NUWO, WTSW, CORA, ANHU, RTHA, southern pacific rattlesnake, coastal whiptail, common side blotched lizard, HOFI.

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

**Log Entry**

0645: performed a nesting bird survey in DG-2, DG-2 WOUS, DG-2 new channels.

0700: monitored vegetation clearing. Area had a diverse array of nonnatives, concentrated on making sure that the crew was able to properly perform detail work. Fencing crew was installing fence on the west side at this time.

0800: 2 crew members from the fencing effort came over to help measure and spray dots for fence posts along the west perimeter trail. Supervised this effort.

0945: swept nearby areas for nests. Observed a large southern pacific rattlesnake and informed crew to avoid.

Fencing crew also found 2 rattlesnakes on the west side around this time.

1140: escorted foreman Daniel Holmes to the east side as he moved the excavator. We took the open alluvium trail at the far north end of the site.

1240: all members of fencing crew joined weeding crew, for a total of 12.

1420: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

Crew is ready to begin working on fencing on the east side.

Signature







**photo\_1-before\_detail\_work\_DG-2\_facingSW.jpg**  
-118.17186 34.19013



**photo\_2-after\_detail\_work\_DG-2\_facingSW.jpg**  
-118.17202 34.19005



**photo\_3-before\_handpulling\_DG-2\_facingS.jpg**  
-118.17191 34.19008



**photo\_4-after\_handpulling\_DG-2\_facingS.jpg**  
-118.17189 34.19011

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: July 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of about 9 (permanent staff plus temp crew) working on east side. Didier Ramos is supervising weed abatement (hand-pulling) while Daniel Holmes works on fence elsewhere, possibly with additional personnel. Also 2 additional NI workers from the Lake Forest crew working nearby.

**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, CALT, ANHU, HOOR, CASJ, RCPA, ALHU, CATH, BUSH, SPTO, COYE, NUWO, Ca gr squirrel, LEGO, w fence liz,

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

**Log Entry**

0645 main crew of 9 (not incl Daniel Holmes who is working on fence elsewhere on-site) getting into SE corner planted area at S end of new channel (DG-2 WOUS, DG-2). Survey for nests reveals nothing active. Weeds include the standards: Lepidium, Conium, Amaranthus albus, Chenopodium album, Hirschfeldia, Nicotiana glauca. Large (12ft) fruiting tree tobacco along ESA fenceline somehow got missed, crew is dismantling it carefully to avoid releasing seeds. Vehicle noise from sediment removal fairly loud in this spot; can still hear most nearby birds. 0930 I'm surveying and monitoring the 2 Lake Forest NI workers who are several hundred yards north of the rest of the group. They are weeding within and above the channel (DG-2 WOUS, DG-2) in a planted area that is very dense from the waist down, mixture of natives (mule fat, willow, mugwort, Jimson weed, horseweed) with pepperweed, hemlock, pigweed. SPTO, COYE popping around but no nesting currently suspected. 1030 crew is getting into southernmost reaches of plantings, adjacent to Griffith water tank. Hirschfeldia and Lepidium are very overgrown here and may have been missed on the previous round of weeding. 1230 some CALT activity with many vocals nearer road by Eucalyptus: 1 Juv CALT spotted but no indication of nesting, at least on S side of road in project area. 1400 Lake Forest crew leaving. No other notable observations, very hot and quiet. 1430 main crew stops pulling and starts tarping while I get photos and notes.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand-pulling\_DG-2\_facingS.jpg**  
-118.1732 34.18816



**photo\_2-hand-pulling\_DG-2\_facingNE.jpg**  
-118.1725 34.18985



photo\_3-after\_hand-pulling\_photo\_1\_DG-2\_facingS.jpg  
-118.17317 34.18813



photo\_4-after\_hand-pulling\_DG-2\_facingNW.jpg  
-118.17238 34.18977

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: July 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	67 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	90 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Fourteen crew workers, including temp and NI, worked in vegetation clearing non-natives in DG-2B, DG-2, and DG-2WOUS, on the east end. Foreman is Didier.

**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, HOOR, EUCCO, ALHU, CALT, RTHA, BEWR, WREN, RCPA, cottontail, CASJ, whiptail lizard, WTSW, LEGO, HOFI, BUSH, ANHU, HOSP, ACWO, HOWR, PEFA

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

**Log Entry**

645 arrived onsite along with the crew. The NI Orange County crew worked in DG-2WOUS and DG-2, while the other crew worked in DG-2B. Both crews hand pulled and used hand tools on non-native species. Non-natives include: mustards, horehound, hemlock. One new nest, unknown species, was discovered in the AM. The biologist flagged it off (buffer) until activity and species were identified. A previously marked coyote den was pointed out to the crew to avoid. After lunch, the crews resumed activities in the same locations. Removed vegetation was tarped and put in dumpster. The crew moved north towards Johnson Field. The trash was removed from site. 1515 Biologist left site after completing report.

**Additional Comments**

N/A

Signature





**Veg\_removal\_during\_facingW.jpg**  
-118.17242 34.18851



**Veg\_clearing\_during\_facingW.jpg**  
-118.17242 34.18861



**Veg\_Clearing.jpg**  
-118.17229 34.18918



**Veg\_clearing\_after\_facingWSW.jpg**  
-118.17233 34.18936



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: July 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	68 °F	0-3 MPH	10 %
<b>End of Day</b>	15:15	95 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Fourteen crew workers, including temp and NI, worked in vegetation clearing non-natives in DG-2B, DG-2, and DG-2WOUS, on the east end. Foreman is Didier.

**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, EUCCO, ALHU, CALT, RTHA, BEWR, WREN, RCPA, cottontail, CASJ, BARS, LEGO, HOFI, BUSH, ANHU, HOSP, ACWO, HOWR, CLSW, SPTO, CORA, SOS, COYE, GREG(flyover), MODO, CAQU, ATFL, BTPI, HOOR, BANO (flight feather), opossum tracks, toad tracks, NUWO, COHA, PHAI

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

**Log Entry**

0645 arrived onsite along with the crew. The crew continued work in DG-2 and DG-2 channels. Crew hand pulled and used hand tools on non-native species. Non-natives include: mustards, perennial pepperweed, horehound, hemlock. The biologist nest searched/monitored and occasionally quality controlled the crew making sure they were removing the correct species. After lunch, the crews resumed activities in the same locations. Removed vegetation was tarped and put in dumpster. The crew moved north towards Johnson Field. The trash was removed from from site. 1515 Biologist left site after completing report.

**Additional Comments**

An LA County (non-project) dozer continues to grub soil in each of the basins north of Johnson Field. One of the basins contains a coyote den and two active nests PHAI\_1 and ACWO\_3; however both nests could have been inactive at the time that the dozer was working, but this info is irrelevant. In addition, the dozer was creating an enormous amount of dust, which the dust meter no-doubtably recorded.

**Signature**





**Tarping\_veg\_during\_facingE.jpg**  
-118.17231 34.18991



**Veg\_removal\_after\_facingNW.jpg**  
-118.17224 34.18993



**Veg\_Removal.jpg**  
-118.1723 34.19005

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	10 %
<b>End of Day</b>	13:35	89 °F	7-9 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 hand pulling Chenopodium, mustard, and tree tobacco in DG-W-1, crew of 4 working on fencing on the east 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:**

WREN, CALT, LEGO, BUSH, HOFI, RCPA, NUWO, California ground squirrel, southern pacific rattlesnake, COHA, ANHU, CASJ, CAKI, ACWO, CATH, coastal whiptail, western fence lizard.

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

**Log Entry**

0645: performed a nesting bird survey in Johnson field, DG-W-1.

0655: monitored vegetation clearing in DG-W-1. Area had very little bird activity, foraging LEGO most common. Crew started on the hillside adjacent to the container and progressed counter-clockwise around the basin. Fencing crew installed wires on the east side between the fence posts.

0850: crew member reported seeing a large southern pacific rattlesnake on the perimeter trail on the northeast side of the site. Went to go investigate to see if it was at a risk of being run over, did not find it.

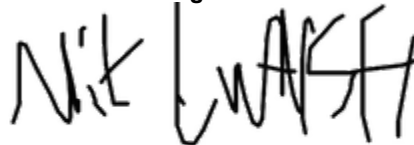
1230: took the bi-weekly photo points.

1330: crew began wrapping up pulling to work on microline checks in the east side channels.

**Additional Comments**

N/A

Signature





photo\_1-before\_weeding\_DG-W-1\_embankment\_facingNW.jpg  
-118.1712726666667 34.191865



photo\_2-after\_weeding\_DG-W-1\_embankment\_facingNW.jpg  
-118.17126189722222 34.19193480555555



photo\_3-before\_weeding\_DG-W-1\_embankment\_facingSW.jpg  
-118.1716190555557 34.19212794444444



photo\_4-after\_weeding\_DG-W-1\_embankment\_facingSW.jpg  
-118.17167484444445 34.19214963888885

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	5 %
<b>End of Day</b>	14:20	90 °F	7-9 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 hand pulling vegetation in DG-W-1. Crew of 4 working on fencing 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:**

RTHA, NUWO, CALT, RCPA, LEGO, WEBL, ANHU, BUSH, MODO, ACWO, NOMO, ROPI, HOFI, CORA, CASJ, CLSW, CATH, BEWR, OATI, CAQU, southern pacific rattlesnake, coastal whiptail, AMCR, BTPI, California ground squirrel, ATFL,

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

**Log Entry**

0645: monitored vegetation clearing in DG-W-1. Primary targets were mustard, horehound, tree tobacco, and stinking chamomile.

0750: found an adult southern pacific rattlesnake hiding in a broken pipe in DG-W-1. Showed the crew and pinflagged the area for avoidance. Had a brief meeting regarding rattlesnake safety during which I encouraged everyone to use snake gaiters.

1100: briefly inspected fencing on west side.

1135: resumed monitoring.

1200: showed SoCalGas technician to the high pressure gas line so he could mark the exact location. He said he was going to come back Monday to finish and then left.

1330: checked on 2 nests, PHAI\_1 and ACWO\_3. Both were inactive and the buffers were removed.

1415: crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_detail\_work\_DG-W-1\_facingS.jpg**  
-118.17180009722223 34.19097083333333



**photo\_2-after\_detail\_work\_DG-W-1\_facingS.jpg**  
-118.17181097222223 34.19099626944444





photo\_3-before\_pulling\_DG-W-1\_embankment\_facingN.jpg  
-118.17107058333333 34.19126747222222



photo\_4-after\_pulling\_DG-W-1\_embankment\_facingN.jpg  
-118.17106526666667 34.19129918055555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	100 %
<b>End of Day</b>	14:10	75 °F	7-9 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 hand pulling weeds in DG-W-1, crew of 4 digging holes and installing fence posts.

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

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

**List of species observed while monitoring:**

WREN, CASJ, CAQU, CALT, NUWO, RTHA, CAKI, AMCR, RCPA, LEGO, BUSH, NOMO, MODO, HOFI, SPTO, BTPI, ACWO, ANHU, CATH, Desert cottontail, COHA, BEWR, OATI, BHCO.

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

**Log Entry**

0645: Monitored vegetation clearing in DG-W-1. Primary targets included *Nicotiana glauca*, mustard, *Centaurea melitensis*, and *Chenopodium album*. Slight drizzle at start of day, minimal bird activity.

0730: Supervised use of an excavator to dig fencepost holes near the Northwest corner of DG-W-1.

0930: Rain got a little heavier, crew went to their cars to wait it out.


1000: Crew resumed work after the rain died down. Found *Atriplex suberecta* (nonnative) in DG-W-1, taught the crew to ID it. Noticed crew has been missing *C. album* seedlings, reminded them to pull it.

1350: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_pulling\_Nicotiana\_DG-W-1\_facingSouthWest.jpg  
-118.1715 34.192



photo\_2-after\_pulling\_Nicotiana\_DG-W-1\_facingSouthWest.jpg  
-118.17158 34.19201



photo\_3-crew\_backfilling\_holes\_facingEast.jpg  
-118.1714 34.19198



photo\_4-new\_fencing\_facingWest.jpg  
-118.1709 34.19181

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	90 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed in DG-4 at the far southwest side of the site.

**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, CALT, BEWR, LEGO, BUSH, AMCR, RCPA, YEWA, COYE, ROPI, BUOR, WREN, OATI, ACWO, TUVU, Western fence lizard, Fox squirrel, CASJ, ALHU, HOFI.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4 at the far southern corner of the site.

0700: Flagged off WREN\_1 and cleared crew to work. Primary focus was perennial pepperweed. Several SOSP and COYE calling in area but no evidence of nesting yet. YEWA heard in a grove of Salix sp. to the north.

0800: Observed BUOR making repeated trips with food into the same grove to the north. Exact location unclear.

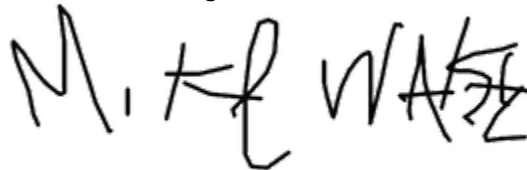
1130: By lunchtime crew had made it to the fallen eucalyptus. They began working on the edges of the adjacent clearing. Minimal bird activity.

1415: Crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_weed\_removal\_DG-4\_facingNorth.jpg  
-118.17692 34.18649



photo\_2-after\_weed\_removal\_DG-4\_facingNorth.jpg  
-118.1769 34.18647



photo\_3-before\_weed\_removal\_DG-4\_facingWest.jpg  
-118.17691 34.18651



photo\_4-after\_weed\_removal\_DG-4\_facingWest.jpg  
-118.1769 34.1864

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: July 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	93 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand-pulling in SW corner of project area. Didier Ramos, 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:**

YEWA - several around including fledglings but no nests seen, RSHA, HOFI, BEWR, RCPA, BUSH, COYE, OATI, AMCR, NUWO, ACWO, ANHU, ALHU, SPTO, WETA feeding on passionflower fruits, Side-blotched lizard, ATFL, MODO, CORA, HUVI, HOOR, Western fence lizard, COHA, WTSW

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

**Log Entry**

0645 Crew mostly consists of temp crew (6), Orange County crew (4), and 2 NI regulars (Didier, Andre). Working at DG-4 in the willow-ash-sycamore-eucalyptus forest near power lines. Weeds are fairly dried out: mainly pepperweed and hemlock, with occasional mustard, fig, passionflower vine, Lactuca. Weeds are fairly minimal in some terrace areas closer to reservoir/forest edge: well developed native cover of mugwort, stinging nettle, Cal blackberry, Bromus carinatus, Elymus triticoides.

1000 Moving northward into denser understory forest, several large areas of Himalayan blackberry, creeper/woodbine (Parthenocissus) vine with the pepperweed, etc. Crews may be removing some minor amounts of the native Fraxinus along with nonnative F. uhdei. Unsure of the taxonomy here (e.g., F. velutina/latifolia and potential hybrids). They are focused mainly on removing resprouting stumps from last year.

1130 Moving into creeper vine infestation at edge of next planted area (34.188112°N 118.177278°W). YEWA in this area, no nests found. Roosting barn owl flushed, noted in Collector.

1345 Check on COHA-1 nest, updated in Collector. One juvenile/fledgling perched nearby, looks timid, leaving nest buffer intact for for now. Bio monitor can make additional determinations as crew approaches area.

1400 Orange Co crew leaves.

1415 Main crew starts cleanup while I get photos and more notes.

**Additional Comments**

N/A

**Signature**







**photo\_1-DG-4\_after\_hand-pulling\_facingEast.jpg**  
-118.17744 34.18747



**photo\_2\_DG-4\_woodbine\_infestation\_facingWest.jpg**  
-118.17724 34.18803



photo\_3\_DG-4\_after\_pulling\_woodbine\_facingWest.jpg  
-118.17729 34.18811



photo\_4-DG-4\_after\_hand-pulling\_facingNorth.jpg  
-118.17714 34.18789

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	91 °F	4-6 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling vegetation in DG-4 on the south west side, crew of 4 working on fencing near DG-W-1.

**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, YEWA, AMCR, HOFI, RCPA, BUSH, ANHU, SPTO, OATI, BEWR, BLPH, CASJ, NUWO, Western fence lizard, CAKI, ATFL, BUOR,

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4 on the south side of the site.

0700: Cleared crew to work, primary focus was a *Rubus armeniacus* infestation which was covering a large patch of forest floor with scattered *Raphanus raphanistrum*, *Passiflora incarnata*, and fig trees. Heard YEWA, no nesting behavior.

0930: Surveyed COHA\_1. Immediate area around nest was vacant, no juveniles observed nearby, no alarm calls or scolding.

1000: Drove to east side to sweep the remaining areas near fencing crew for nests. Found none.

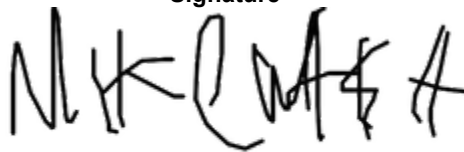
1400: Crew was approaching the southern edge of the COHA\_1 buffer.

1415: Crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_Removing\_Rubus\_DG-4\_facingSouth.jpg  
-118.17737 34.18784



photo\_2-after\_Removing\_Rubus\_DG-4\_facingSouth.jpg  
-118.17739 34.18787



photo\_3-before\_removing\_fig\_DG-4\_facingNorth.jpg  
-118.17759 34.188



photo\_4-after\_removing\_fig\_DG-4\_facingNorth.jpg  
-118.17755 34.188

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: July 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	25 %
<b>End of Day</b>	12:39	90 °F	4-6 MPH	25 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 clearing perennial pepperweed and wild radish in the southernmost section of DG-4A. Crew of four working on fencing; did not require a monitor.

**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:**

AMCR, YEWA, RCPA, SPTO, CALT, WREN, WEWP, RSHA, ATFL, ANHU, SOSP, BEWR, HOFI, CASJ, BGGN, NUWO, OATI, BUSH, LEGO, Desert cottontail, Western fence lizard, ALHU, MODO, NOMO, BLPH,

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

**Log Entry**

Performed a nesting bird survey in DG-4A near COHA\_1. Found no COHA activity near nest for second consecutive day. Allowed crew to work in vicinity, but under close supervision. Heard YEWA in the distance NE of crew.

0700: Monitored vegetation clearing in DG-4A. Closely monitored the area near COHA\_1. Area was >95% invasives, primary targets were perennial pepperweed and wild radish. At this time, the fencing crew was working on tightening up the wires on the west side fencing, which did not require monitoring.

1030: Went to east side to inspect a collapse in the snake fence. Foreman Daniel Holmes then fixed it. Examined fencing progress- posts have been installed roughly 100 feet into the area bordering DG-2.

1130: Continued monitoring vegetation clearing in DG-4A. By this time the crew was nearing the end of the clearing.

1230: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_removal\_DG-4A\_facingNorth.jpg  
-118.17732 34.18878



photo\_2-after\_vegetation\_removal\_DG-4A\_facingNorth.jpg  
-118.17737 34.18879



photo\_3-Snake\_fence\_collapse\_facingWest.jpg  
-118.17299 34.18771



photo\_4-fencing\_progress\_DG-2\_facingNorth.jpg  
-118.17145 34.19037



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: August 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	68 °F	0-3 MPH	0 %
<b>End of Day</b>	14:20	98 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image/labor finders crew of 10 handpulling perennial pepperweed and wild radish in DG-4/DG-4A, crew of 4 working on fencing on the east side.

**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, SPTO, BEWR, YEWA, RCPA, HOFI (orange morph), LEGO, ALHU, NUWO, BUSH, Desert cottontail, Fox squirrel, MODO, SOSP, WREN, TUVU, Western fence lizard.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A near the southernmost clearing in DG-4A. Foreman found and fixed a large irrigation leak in DG-5; the black pipe had just broken and was quickly flooding perimeter trail. YEWA observed foraging.

0700: Cleared crew to work, monitored vegetation clearing. Found a Yellowjacket nest which was flagged off from last year, advised crew to avoid. Talked with crew regarding best practices in high heat and recognizing heat illness.

0900: Surveyed the area near the fencing crew and checked on progress.

0930: Resumed monitoring vegetation clearing. Very little bird activity due to heat.

1200: Heat quickly began shooting above 90, topping out around 98. Advised crew to take frequent water breaks. Almost no wildlife seen for rest of day except for fence lizards.

1410: Crew began wrapping up pulling while I inspected the site. Entire area under trees surrounding the aforementioned clearing was finished.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_removal\_DG-4A\_facingSouthWest.jpg  
-118.1773 34.18903



photo\_2-after\_vegetation\_removal\_DG-4A\_facingSouthWest.jpg  
-118.17728 34.18901



photo\_3-fencing\_crew\_installing\_wire\_facingNorth.jpg  
-118.17111 34.19109



photo\_4-crew\_hauling\_tarps\_facingNorth.jpg  
-118.17706 34.1893

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	0-3 MPH	0 %
<b>End of Day</b>	14:25	97 °F	0-3 MPH	6 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image/ Labor Finders crew crew of 12 pulling perennial pepperweed, *Chenopodium album*, and wild radish in DG-4/DG-4A, Tamarisk sp. removed in DG-W-2. Crew of 4 working on fencing who did not require a monitor.

**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, CALT, SPTO, BEWR, RCPA, BUSH, ACWO, YEWA, NUWO, MODO, CASJ, HOFI, CAQU, SOS, Southern pacific rattlesnake, Coyote, Common side blotched lizard (first sighting of hatchlings for year), Coastal whiptail, CORA, RTHA, Western fence lizard.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A near the west side ESA fencing. Heard YEWA to the south near a previously reported point.

0655: Gave WEEP Training to a new employee and took some time to show him the plants we are targeting.

0715: Monitored vegetation clearing in aforementioned area. Crew was working to remove perennial pepperweed and chenopodium from the understory of a dense *Salix* woodland.

0745: Crew member reported finding a Yellowjacket hive underground. Nobody was stung, area was flagged off with red pin flags.

1000: 2 crew members removed a large tamarisk in DG-W-2.

1045: Resumed monitoring vegetation clearing.

1100: A crew member reported finding a southern pacific rattlesnake on the perimeter trail. Did not relocate, but stayed nearby until it had crossed to minimize risk of being run over.

1410: Crew began wrapping up pulling to focus on tarping and irrigation. Had a brief chat with the foreman about priorities for tomorrow.

**Additional Comments**

N/A

Signature





photo\_1-before\_pulling\_Chenopodium\_DG-4\_facingNorth.jpg  
-118.17719 34.18875



photo\_2-after\_pulling\_Chenopodium\_DG-4\_facingNorth.jpg  
-118.17722 34.18875



photo\_3-crew\_hauling\_large\_Tamarisk\_facingSouthWest.jpg  
-118.17406 34.19265

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: August 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	68 °F	0-3 MPH	0 %
End of Day	14:45	95 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand-pulling weeds in southwestern project area (DG-4, DG-4A) with foreman Didier Ramos. Additional crew building fence elsewhere with 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:**

YEWA, BUSH, RCPA, HOFI, NUWO, SOSP, BGGN, CALT, Side-blotched lizard, Western fence lizard, HOOR.

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

**Log Entry**

0645 Starting at DG-4A near ESA fencing. Edge of open alluvial scrub habitat targeting pepperweed, hemlock, wild radish, mustard, prickly lettuce, tree tobacco, lambs quarters. These are growing amongst native willow, mule fat, burweed, horseweed, cocklebur. This site is directly adjacent to the current sediment removal work; bird list may be lacking due to noise. Following 2 male yellow warblers around in tall willow canopy occasionally throughout the day but no indication of nesting (no females or fledglings observed today). Also monitored fledged COHA\_1 nest with no adult or fledgling/juvenile sightings, cleared nest buffer in Collector.

1130 After lunch crews are getting deeper into the shaded forest (90°F) of DG-4A and DG-4), getting widespread hemlock, pepperweed, lambs quarters. More frequent water breaks in afternoon.

1400 Orange Co crew leaves.

1445 Main crew packs it up at

**Additional Comments**

N/A

Signature





photo\_1-hand\_pulling\_DA-4A\_facingNorthEast.jpg  
-118.17666 34.18883



photo\_2-hand\_pulling\_DG-4A\_facingWest.jpg  
-118.17612 34.1892





photo\_3-hand\_pulling\_DG-4\_facingWest.jpg  
-118.17656 34.18918



photo\_4-after\_hand\_pulling\_DG-4A\_facingEast.jpg  
-118.17652 34.18925

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	91 °F	10-12 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image/ Labor Finders crew of 11 hand pulling perennial pepperweed, *Chenopodium album*, and poison hemlock in DG-4/DG-4A near the edges of one of the southernmost clearings. Fencing crew of 4 working near DG-2B on the eastern perimeter trail.

**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, RCPA, CALT, BEWR, YEWA, SOSP, CASJ, ALHU, HOFI, OATI, SPTO, NOMO, MODO, ANHU, Western fence lizard, Desert cottontail, RTHA, CORA, ACWO.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A. YEWA observed foraging in high treetops, no nesting behavior noted.

0655: Cleared crew to work, monitored vegetation clearing. Edges of clearings were missed earlier in the season when the crew was using weed whackers to avoid low lying cryptic nests, crew was using hand tools to clean these areas up.

0745: Went to east side to monitor fencing crew. Checked UNK\_1, marked it as inactive. Nest appeared in a similar, dilapidated state after last check 16 days ago, no activity nearby.

0830: Resumed monitoring on the west side. Very little bird activity, possibly due to heat.

1338: Crew began wrapping up pulling and checking irrigation. I took the bi-weekly photo points of the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_pulling\_DG-4\_facingSouthEast.jpg  
-118.17656 34.18946



photo\_2-after\_vegetation\_pulling\_DG-4\_facingSouthEast.jpg  
-118.17658 34.18946



photo\_3-crew\_hauling\_tarps\_facingNorthEast.jpg  
-118.1767 34.18955



photo\_4-daily\_fence\_progress\_facingNorthWest.jpg  
-118.1724 34.18864

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	0 %
End of Day	14:30	82 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image/Labor Finders crew of 9 clearing vegetation in DG-4/DG-4A, crew of 4 working on fencing near DG-3A on the perimeter trail.

**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, RCPA, CALT, Fox squirrel, NUWO, ANHU, SPTO, ACWO, HOFI, CLSW, LEGO, CASJ, BCHU, Desert cottontail, Western fence lizard, California king snake, RSHA, BEWR, ALHU.

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

**Log Entry**

0645: performed a nesting bird survey in DG-4/DG-4A on the border of a clearing to the south of the 'primrose' area. Minimal bird activity, as has been the case all week.

0755: Cleared crew to work. They hand pulled perennial pepperweed, poison hemlock and wild radish in the aforementioned area, making their way into the tree line until it got too thick and the forest floor was only composed of willow branches.

1000: Went to east side to show the fencing crew where the fence is planned to end. Discovered that the snake fencing had once again failed. It appeared to have been hit by a truck judging by tire marks in the area. The fencing crew immediately got supplies to fix the fence and did so.

1030: Went back to weeding crew on west side. Moved several crew members to a new area in the same clearing (S edge of old YEWA\_3 buffer), and several into a planted area on the north side of the clearing to clean up perennial pepperweed.

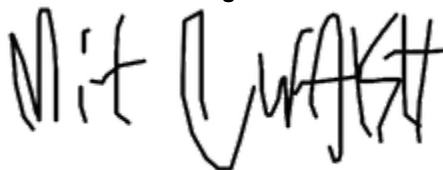
1130: Following lunch, several crew members began running tarps. One of them discovered a dead California king snake near the trash bin on a social trail used by the disc golfers. Individual was a juvenile, appeared to have a distinct puncture wound through the head; may have been done by a domestic dog based on shape of wound but not sure.

1420: Crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_vegetation\_removal\_DG-4\_facingEast.jpg**  
-118.17698 34.1898



**photo\_2-after\_vegetation\_removal\_DG-4\_facingEast.jpg**  
-118.17696 34.18982



photo\_3-before\_vegetation\_removal\_DG-4\_facingSouthEast.jpg  
-118.17646 34.18964



photo\_4-after\_vegetation\_removal\_DG-4\_facingSouthEast.jpg  
-118.1764 34.18962

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling perennial pepperweed in DG-4, DG-4A just south of the primrose area, crew of 3 installing fencing on the east side.

**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, YEWA, RCPA, SPTO, SOSP, ALHU, ANHU, CASJ, HOFI, LEGO, California ground squirrel, Neotoma SP., ACWO, Common side blotched lizard, Western fence lizard.

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

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A. Observed YEWA foraging in an area already recorded in collector.

0655: Cleared crew to work, monitored vegetation clearing in the aforementioned areas near the now inactive YEWA\_3 nest. Area was forest undergrowth that was thick with perennial pepperweed. Numerous YEWA adults observed throughout early hours to the south, appear to no longer be nesting.

0800: Went to east side to sweep the remaining areas for nests. Found a woodrat next to a midden, implying that it is active. Midden is not in the path of the fence and in a heavy traffic area, but advised foreman to use a spotter when moving heavy machinery adjacent to it.

0900: Retuned to west side, resumed monitoring vegetation clearing.

1200: Crew was approaching the next clearing, directed them west to continue pulling in the forested area.

1250: Surveyed surrounding areas for nests and new work areas.

1430: Crew began wrapping up pulling to work on irrigation and tarping.

**Additional Comments**

N/A

Signature







photo\_1-weed\_removal\_before\_DG-4\_facingNorth.jpg  
-118.17601 34.18895



photo\_2-weed\_removal\_after\_DG-4\_facingNorth.jpg  
-118.17631 34.18939



photo\_3-weed\_removal\_before\_DG-4\_facingNorthEast.jpg  
-118.17627 34.18958



photo\_4-weed\_removal\_after\_DG-4\_facingNorthEast.jpg  
-118.17626 34.18961

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: August 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	94 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Natures Image crew of 13 (9 regular/temp crew + 4 Orange County crew), foreman Didier Ramos, hand-pulling in southwest project area.

**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:**

Coyote with big-eared woodrat, NUWO, SOSP, HOOR, HOFI, BEWR, CALT, ACWO, RCPA, DOWO, WREN, OATI, BUSH, CORA, HUVI, BGGN, CORA, YEWA (out of current work area, to the south), Western fence lizard, side-blotched lizard, Desert cottontail, CATH, HOWR

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645 Crew starting in DG-4A, DG-4, DG-4 Drainage, working inward away from ESA fencing. While surveying as we arrived, 3 coyote prancing away from drainage area, one w woodrat in jaws. Willow understory of mostly pepperweed and hemlock. Few visible natives (e.g., mugwort). DG-4 terrace by drainage has dense Hirschfeldia.

1030 One of the workers partially caved in a coyote burrow entrance but it's still mostly intact. No coyotes nearby currently.

1130 After lunch continuing in same area, under willow canopy, hot conditions (90°+), multiple water breaks etc.

1400 Orange County crew leaves.

1445 Remaining crew leaves.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4A\_before\_hand-pulling\_facingNorth.jpg  
-118.17607 34.18983



photo\_2-DG-4A\_after\_hand-pulling\_facingNorth.jpg  
-118.17603 34.18985



photo\_3-DG-4\_DG-4A\_hand-pulling\_facingSouthEast.jpg  
-118.17632 34.19001



photo\_4-DG-4\_DG-4A\_after\_hand-pulling\_facingSouthEast.jpg  
-118.17624 34.19001

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	70 °F	0-3 MPH	90 %
End of Day	14:30	93 °F	7-9 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image/Labor Finders crew of 12 hand pulling perennial pepperweed and *Chenopodium album* in DG-4/DG-4A. Crew of 4 working on fencing on both sides of site at various locations around the perimeter trail.

**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:**

WREN, CALT, RCPA, ANHU, YEWA, SOSP, SPTO, BGGN, CASJ, HOFI, LEGO, ACWO, MODO, DEJU, CATH, OATI, BEWR, HOOR, HUVI, Western fence lizard, Common side blotched lizard, Fox squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A. Heard YEWA to the south.

0655: Cleared crew to work. Crew was working under the tree line to clear out the areas which had been skipped because of BGGN-1 and LEGO-6, both of which are now inactive. Area had a thick carpet of perennial pepperweed and *C. Album*. Observed CALT pair foraging in the recently cleared areas. Followed foraging YEWA for a while, no evidence of nesting.

0800: Surveyed area of DG-4 north of crew which they were progressing towards.

1130: Went to east side to examine fence progress and escort the excavator back to the west side. Foreman Daniel Holmes drove, taking a route through the northern section of alluvium. Fencing crew then focused on installing quick connect gates at marked locations.

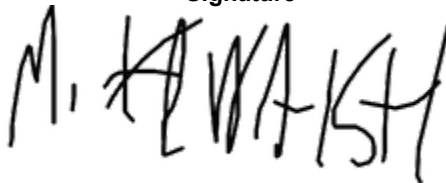
1300: Resumed monitoring vegetation clearing. By this time, crew was nearing the edge of the buffer for BGGN-1.

1430: Crew began wrapping up pulling and moved to cleanup.

**Additional Comments**

N/A

Signature





**photo\_1-DG-4\_before\_vegetation\_clearing\_facingNorth.jpg**  
-118.17602 34.19008



**photo\_2-DG-4\_after\_pulling\_facingNorth.jpg**  
-118.17598 34.19007



photo\_3-escorting\_excavator\_across\_site\_facingSouthWest.jpg  
-118.16971 34.195



photo\_4-crew\_cleaning\_up\_DG-4\_facingWest.jpg  
-118.17577 34.1903



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	0-3 MPH	0 %
<b>End of Day</b>	14:20	91 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling DG-4/DG-4A, fencing crew of 4 installing habitat restoration signs at various locations on the perimeter trail.

**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, CALT, SOSF, HOFI, SPTO, LEGO, CASJ, BEWR, CATH, ANHU, RTHA, HOOR, CAKI, BUSH, ATFL, California ground squirrel, Common side blotched lizard, Western fence lizard, Neotoma sp.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG4A, showed crew where they would be hand pulling, then assigned them to do microline checks while I was in a meeting.

0710: Site visit with Samuel Ward, Daniel Holmes, and several people from ECORP to discuss phase 3 planting.

1045: Wrapped up site visit, coordinated with crew to review status of irrigation.

1130: Crew came back from lunch and began hand pulling perennial pepperweed in DG-4/DG-4A along the edges of the clearing due west of the twin boulder area. Undergrowth was a pepperweed monoculture, very low bird activity in the afternoon heat.

1300: Inspected sign installation and fencing.

1330: Resumed monitoring vegetation clearing.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4\_vegetation\_removal\_before\_facingWest.jpg  
-118.17573 34.19024



photo\_2-DG-4\_vegetation\_removal\_after\_facingWest.jpg  
-118.17576 34.19033



photo\_3-sign\_installation\_DG-W-1\_facingNorthWest.jpg  
-118.17136 34.19078

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	92 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock in DG-4/DG-4A. Fencing crew of 4 installing a few of the final fence posts.

**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, RCPA, MODO, WREN, CALT, HOFI, CASJ, BARS, BLPH, ACWO, Bobcat, Coastal whiptail, Western fence lizard, California ground squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-4A/DG-4.

0655: Cleared crew to work, briefly surveyed for the fencing crew, who had 2 posts to install near DG-4C.

0710: Cleared fencing crew to dig, monitored vegetation clearing in DG-4/DG-4A. Crew was working along the edges of the clearing to the west of the twin boulder clearing. Area was full of pepperweed and had a large infestation of tree of heaven. During the early hours, they began with the pepperweed.

1000: Photographed and inspected fencing progress.

1015: Resumed monitoring vegetation clearing. Crew by now had made their way to the area beneath the tree of heaven grove. Poison hemlock became the dominant weed species. Several Woodrat middens in area and small patches of Toxicodendron diversilobum; crew was advised to avoid both.

1230: Flagged off locations for sign posts.

1300: Observed juvenile bobcat hunting near staging area, then resumed monitoring vegetation clearing.

1415: Crew began wrapping up pulling while I inspected the site. Crew had completed removing annual vegetation beneath the tree of heaven grove and surrounding accessible areas, leaving the tree of heaven for a later date.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4\_before\_pepperweed\_removal\_facingEast.jpg  
-118.17569 34.19021



photo\_2-DG-4\_after\_pepperweed\_removal\_facingEast.jpg  
-118.17579 34.19025



photo\_3-new\_fence\_posts\_facingSouth.jpg  
-118.17393 34.1941

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: August 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	65 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	93 °F	4-6 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 (mostly temp crew) with Didier Ramos serving as foreman, hand-pulling on west side of project area. Plus 4 Orange County workers arriving right after first group.

**Did you observe any special-status species?**  Yes  No

Least Bell's vireo

**Were any least Bell's Vireo detected?**  Yes  No

1045: I heard a Least Bell's vireo chatter call about 100 feet away and then confirmed with a visual for about 5 minutes at 34.190767°N 118.176383°W, within the 2020 territory buffer (patchy mature black willow forest with low to moderately dense understory of wilows, mule fat, poison oak, Phacelia, and dead grasses/weeds/leaf litter) before it flew to south. No other vocalization or indication of nesting - it's very late in the season for a nest. Suspected juvenile based on wing coverts but did not get great looks. I made a Collector entry and notified the other Stillwater biologists and then Lauren Simpson.

1345: The same likely bird again did a brief chatter call in same area, but it was heard from afar and I couldn't get a visual.

**List of species observed while monitoring:**

RCPA, BGGN, CALT, ACWO, ANHU, Big-eared woodrat, Western fence lizard, OATI, HOFI, LEGO, CAQU, Side-blotched lizard, NUWO, Eastern fox squirrel, MOCH, BEWR, LBVI, AMCR

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew is starting in DG-4 in a willow area on east side of DG-4 Drainage. Pepperweed, hemlock, there is a grove of young tree of heaven that Didier plans to remove with a chainsaw. Avoiding mugwort, Jimson weed. Woodrat nests, etc.

0730: Orange County crew arrives with pole saw (weed whacker with circular saw attachment, starts cutting smaller trees of heaven (dbh of 1-2", up to 3"; approx. 10-25' tall). Scared up one big-eared woodrat but no middens were damaged.

0845: One of the temp workers starts helping with tree of heaven removal using a chainsaw.

1030: Tree of heaven removal done (at this location). About 50 trees removed.

1045: Least Bell's vireo observation, see above.

1130: After lunch crew continues in same area, while several workers move south to cut more tree of heaven.

1318: Phoned Lauren Simpson regarding LBVI sighting; she would like a CNDDDB report submitted. Also she suggested checking eBird for recent reports of LBVI by a local birder. Crews continue to pull pepperweed and get some additional tree of heaven to the south and west. I took a quick look at DG-5 planted area; this lush, irrigated zone still supports high-quality shrub/herbaceous nesting habitat. SOSP, CALT, CATH active there.

1350 Orange County crew leaves.

1430 Remaining workers stop pulling and start tarping while I get additional pics and finish log.

**Additional Comments**

Ending cloud cover is haze.

**Signature**

*[Handwritten signature]*



photo\_1-DG-4\_hand-pulling\_facingWest.jpg  
-118.17602 34.19052





photo\_2\_treeofheaven\_removal\_DG-4\_facingNorthEast.jpg  
-118.1769 34.19038



photo\_3\_DG-4\_tree\_of\_heaven\_before\_removal\_facingNorthWest.jpg  
-118.17596 34.19046



photo\_4\_DG-4\_tree\_of\_heaven\_after\_removal\_facingNorthWest.jpg  
-118.17585 34.19051

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:40	88 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed in DG-4, DG-4 drainage and DG-4 sheetflow.

**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, CALT, HOFI, ACWO, YEWA, SOS, RCPA, BUSH, BGGN, ANHU, SPTO, WREN, LEGO, COHA, MODO, CORA, ALHU, CASJ, WEBL, BTYW, BEWR, ATFL, NUWO, CAQU, Desert cottontail, California ground squirrel, Western fence lizard, Coastal whiptail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-4, DG-4 sheetflow, and DG-4 drainage. Special attention was paid to finding LBVI, which had been observed on site a day prior. YEWA observed.

0700: Cleared crew to work. They began in 2 nearby crews; one in DG-4 sheetflow and one working up the drainage and adjacent areas of DG-4. Both areas were overgrown with perennial pepperweed. Monitored vegetation clearing. Higher species richness than has been seen during the last few weeks; possibly due to reduced noise from hauling, low temperature, or high humidity (60+).

0800: Surveyed northern areas for LBVI. None observed.

0845: Resumed monitoring vegetation clearing.

1030: Surveyed DG-5 after noticing high bird activity.

1100: Resumed monitoring vegetation clearing. By now, crew in sheetflow area was closing in on the edge of the overgrown areas, and about 1/2 the drainage crew had switched to tarping on and off.

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_pulling\_DG-4\_drainage\_facingNorth.jpg  
-118.17597 34.19078



photo\_2-after\_pulling\_DG-4\_drainage\_facingNorth.jpg  
-118.17593 34.19074



photo\_3-before\_pulling\_DG-4\_sheetflow\_facingNorthEast.jpg  
-118.17601 34.19117



photo\_4-after\_pulling\_DG-4\_sheetflow\_facingNorthEast.jpg  
-118.17617 34.19127

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	4-6 MPH	100 %
<b>End of Day</b>	14:00	77 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling perennial pepperweed, poison hemlock and mustard in DG-4 sheetflow, 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:**

CALT, LEGO, BLPH, CATH, OATI, WREN, NUWO, BEWR, YEWA, SOSP, BGN, ALHU, CORA, MODO, ACWO, HOFI, ANHU, CASJ, BARS, BTPI, ATFL, RCPA, AMCR, BUSH, SPTO, WETA, CAQU, OCWA, DEJU, WCSP, California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey. Light misty precipitation occurring. YEWA observed foraging, followed for a few minutes.

0700: Cleared crew to work. Monitored vegetation clearing in DG-4 sheetflow and DG-4 along the perimeter trail. Lots of bird activity, no nesting behavior.

0800: Surveyed surrounding areas focused on the recently observed LBVI; found none.

0830: Resumed monitoring vegetation clearing.

0920: Crew working along the perimeter trail finished up planted sites; moved into area beneath willows to the North West of DG-4 sheetflow. Area was a poison hemlock monoculture at ground level.

1130: Rain got a little heavier, crew waited for it to die down in their cars.

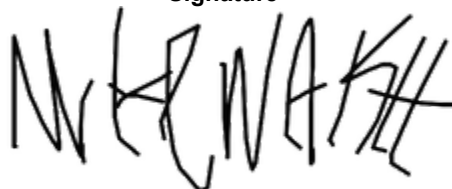
1200: Resumed monitoring vegetation clearing. By now crew had consolidated in the area NW of DG-4 sheetflow.

1400: Crew began wrapping up pulling for the day.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_vegetation\_removal\_DG-4\_sheetflow\_facingSouth.jpg  
-118.17587 34.19118



photo\_2-after\_vegetation\_removal\_DG-4\_sheetflow\_facingSouth.jpg  
-118.17587 34.19119



photo\_3-before\_vegetation\_removal\_DG-4\_facingWest.jpg  
-118.17603 34.19158



photo\_4-after\_vegetation\_removal\_DG-4\_facingWest.jpg  
-118.176 34.19157



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	100 %
<b>End of Day</b>	14:15	75 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 16 hand pulling vegetation in DG-W-2 mining pit and mining pit outlet, DG-4.

**Did you observe any special-status species?**  Yes  No

Least Bell's vireo, Yellow warbler

**Were any least Bell's Vireo detected?**  Yes  No

Heard an LBVI alarm call from roughly 30 feet away, then observed it in a lone mulefat just south of DG-5. Followed it for 30 minutes as it moved into DG-5 foraging (where it spent the most time, roughly 15-20 minutes), and then into the adjacent willow grove in DG-4 to the east (the exact area where it was seen by Scott on 8/16), where it was lost. Individual was likely a juvenile, having fluffy disheveled plumage on the ventral white area. As well, it made no vocalization aside from the alarm call. Crew was roughly 550 feet away at time of sighting. Location marked on collector.

**List of species observed while monitoring:**

CATH, CAQU, MODO, CASJ, CALT, HOFI, YEWA, SOSP, SPTO, NUWO, WREN, CORA, LEGO, WREN, RTHA, Desert cottontail, OCWA, BUSH, San Diego alligator lizard, LBVI, ACWO, BGGN, Western toad, Western fence lizard, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-W-2 mining pit outlet.

0700: Crew was cleared to work, monitored vegetation clearing. Primary targets included pepperweed, *Dysphania pumilio*, and *Amaranthus albus*, and *Erigeron bonariensis*. Planting basins were becoming overgrown, with large pepperweed infestations spreading out between container plants. Several CALT chirping near crew, appeared to be foraging for insects in recently cleared areas.

0750: 3 crew members were assigned to work just outside of the channel in DG-4. The area had a large beehive nearby, crew was advised to avoid.

0900: Surveyed DG-5.

0930: Observed LBVI for 30 minutes and then informed Margie Pfeffer and Lauren Simpson. More detail in LBVI notes section.

1010: Resumed monitoring vegetation clearing in channel. By now crew had made it to the southern edge of the mining pit. Several BGGN in the area near the crew, appeared to be foraging on the insects stirred up by vegetation removal activities. Noted an empty hole in a tree which appeared to have been excavated within the last month or so but it was vacant.

1400: Crew had made it roughly halfway through the mining pit and began wrapping up pulling for the day to focus on cleanup.

**Additional Comments**

Sporadic light rain throughout the day

**Signature**

NOT AKAH



photo\_1-before\_weed\_removal\_DG-W-2\_outlet\_facingWest.jpg  
-118.17591 34.19138



photo\_2-after\_weed\_removal\_DG-W-2\_outlet\_facingWest.jpg  
-118.17591 34.19142



photo\_3-before\_weed\_removal\_DG-4\_facingSouthEast.jpg  
-118.17554 34.1915



photo\_4-after\_weed\_removal\_DG-4\_facingSouthEast.jpg  
-118.17555 34.19152

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	25 %
<b>End of Day</b>	14:43	81 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling perennial pepperweed, mustard and poison hemlock in DG-W-2 mining pit, DG-4, 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:**

WREN, CATH, SPTO, CALT, BEWR, LEGO, COYE, BGGN, ANHU, CASJ, MODO, ACWO, HOFI, SOSP, CAQU, RCPA, Western toad, OCWA, Bottas pocket gopher, RTHA, Coastal whiptail, Common side blotched lizard, California ground squirrel, California kingsnake.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey.

0655: Cleared crew to work, monitored vegetation clearing in DG-W-2 mining pit and DG-4 on the western border of the mining pit. Most of the crew was focused on pulling perennial pepperweed, with 3 members assigned to prune back some of the Xanthium strumarium (native but aggressive and ruderal) which was beginning to choke out the container plants on the north side of the mining pit. The planted willows in this area were struggling to get sunlight and their growth appeared stunted; so, the areas directly above these were cut back and the planting basins were cleared out.

0930: Took bi-weekly photo points of the restoration areas on the west side.

1030: Discovered a new possible nest, NUWO\_5, in DG-W-2. Adult observed visiting a recently excavated hole in a tree repeatedly, possibly to drop food off. Individual may have been foraging, but called it active to be safe because it seemed to be spending a lot of time nearby. This nest hole was noted yesterday but no NUWO activity was seen, which could be explained by the abnormal weather. A 50-foot buffer was implemented, and the crew was advised to avoid.

1200: Crew was wrapping up in the mining pit. Began sending people up to DG-4B, monitored vegetation clearing. Several crews remained to remove a large tamarisk which was discovered today.

0200: Crew began wrapping up pulling for the day while I headed to the east side to take the last few bi-weekly photo points. By EOD crew had finished about 70% of DG-4B.

**Additional Comments**

A second large tamarisk was discovered and removed today just south of DG-W-2 mining pit in DG-4. Appeared to be several years old.

**Signature**

~~10/10/18~~



photo\_1-DG-4\_before\_weeding\_facingNorthWest.jpg  
-118.17452 34.19294



**photo\_2-DG-4\_after\_weeding\_facingNorthWest.jpg**  
-118.17458 34.19302



**photo\_3-DG-4B\_before\_weeding\_facingSouth.jpg**  
-118.17498 34.19239



photo\_4-DG-4B\_after\_weeding\_facingSouth.jpg  
-118.17499 34.19239



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	18:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	81 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 16 hand pulling perennial pepperweed and poison hemlock in DG-4 and DG-4B

**Did you observe any special-status species?**  Yes  No

Least Bell's vireo

**Were any least Bell's Vireo detected?**  Yes  No

Heard an alarm call during a 30 minute survey of DG-5 at roughly 0815. Bird was not seen, call was not heard again.

**List of species observed while monitoring:**

RCPA, CASJ, CALT, MODO, HOFI, LEGO, AMCR, ACWO, CAQU, SPTO, ANHU, ALHU, BEWR, WBNU, BUSH, OATI, BTPI, RSHA, NUWO, CATH, California kingsnake, Neotoma sp., California ground squirrel, coastal whiptail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEEP trained Maddie Uetrecht.

0655: Performed a nesting bird survey in DG-4, DG-4B south and east of the staging area.

0705: Cleared crew to work. They worked on the eastern and southern edges of DG-4B, which had some regrowth of perennial pepperweed and poison hemlock. Crew member had reported seeing a California kingsnake on Friday while they were cleaning up, surveyed the area so they could clear the vegetation in the area out without risking trampling it. As crew moved towards the willows lining DG-4, I surveyed these areas for rattlesnakes due to the large amount of downed snags.

0800: Surveyed DG-5 for LBVI, one was heard but not seen. See above.

0845: Crew began pushing further southeast and across the trail into the part of DG-4B at the southern tip of the staging area.

1145: Crew encountered a large Woodrat out during daytime, possibly due to disturbance from restoration efforts. I reminded them not to pull plants rooted in Woodrat middens and pointed out several nearby to avoid.

1225: Crew found a California Kingsnake in their work area, several hundred feet south from the aforementioned area. It was at a risk for being trampled in its area, so I relocated it about 150 feet north in an area of DG-4B which was already cleared.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

A Stillwater biologist (Maddie Uetrecht) shadowed me today on site until 2 pm. This did not interfere with the daily routine, and all monitoring related activities were performed by me.

Signature





photo\_1-before\_weed\_abatement\_DG-4\_facingSouth.jpg  
-118.17509 34.19174



photo\_2-after\_weed\_abatement\_pre\_pickup\_DG-4\_facingSouth.jpg  
-118.1751 34.19172



photo\_3-before\_weed\_abatement\_DG-4\_facingWest.jpg  
-118.17508 34.19181



photo\_4-after\_weed\_abatement\_DG-4\_facingWest.jpg  
-118.17507 34.19189

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	85 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling perennial pepperweed and mustard 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:**

BUSH, CALT, CASJ, LEGO, WREN, RCPA, CATH, RSHA, HOFI, CORA, Desert cottontail, California ground squirrel, SPTO, Western fence lizard, Common side blotched lizard, Coastal whiptail, CAKI.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey.

0655: Cleared crew to work in DG-4/DG-4A along the western border of the 'boulder' field. Area was planted and the undergrowth was thick with perennial pepperweed and mustard.

0800: Several crew members moved into the open area of DG-4A in the boulder field. Some of the pepperweed which had been cleared several months ago had begun resprouting and they removed these individuals by the root.

1130: Crew came back from break, by now they had finished the boulder field and all adjacent planted areas. They moved west into the next clearing (DG-4/DG-4A) and began removing pepperweed and cutting back eucalyptus resprouts. Several SPTO seen in area possibly foraging for insects stirred up by the crew.

1200: 3 crew members went to the east side to repair the silt fence. Briefly monitored their activities and searched for new weed abatement targets nearby.

1230: Resumed monitoring vegetation clearing.

1415: Crew began wrapping up pulling while I inspected the site and chatted with foreman Daniel Holmes about the plan for tomorrow.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_weed\_abatement\_DG-4\_facingWests.jpg  
-118.17516 34.19046



photo\_2-after\_weed\_abatement\_DG-4\_facingWest.jpg  
-118.1752 34.19065



photo\_3-weed\_abatement\_DG-4\_facingWest\_before.jpg  
-118.17487 34.19068



photo\_4-weed\_abatement\_DG-4\_facingWest\_after.jpg  
-118.17486 34.19066

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: August 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	93 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 (regular crew 6; temp crew 7; Orange Co crew 4) hand-pulling on west side of project area, Daniel Holmes foreman. Daniel says 2 additional OC workers are off doing irrigation maintenance.

**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, ACWO, RCPA, Side-blotched lizard, Western fence lizard, SOSP, HOFI, Coastal whiptail, Alligator lizard, CASJ, ALHU, MOCH, BGGN, House cat carcass (hind foot), RTHA, BUSH

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew moves to North West parking lot by coastal sage scrub area (DG-4). I take a quick look for nests and then train Nickolas Rubio for the temp crew. Crews start on upland terrace: mostly Hirschfeldia, with smaller numbers of tocalote, hemlock, pepperweed amongst good cover of Eriogonum fasciculatum, Artemisia californica, horsetweed, tarragon, mule fat, etc. Some large tree tobacco being pulled. Slope is mostly mustard and needs native planting.

0930: Crews heading to East for more DG-4 and getting downslope into DG-W-2 (Mining Pit) and DG-4-WOUS where the plantings are very lush after an irrigation leak earlier in summer. I checked for nests with nothing found although some vocal CALT, SOSP, CASJ popping around. Part of this area was shut down from the BHGR-3 nest, no longer active (Collector updated). Dried out mustard, hemlock, tree tobacco amongst mule fat, willows, mugwort, elderberry, telegraph weed, Isocoma, tarragon, stinging nettle, California rose, Phacelia cicutaria, morning glory, beardless rye, etc. Two workers also at NE of DG-4-Mining-Pit getting hemlock, left over from an earlier bird-nesting buffer. After lunch more of the same.

1400: Orange County crew leaves.

1400: Newer coyote burrow that went unnoticed has a large rattlesnake and marked in collector. Likely same snake observed several weeks ago in rock outcrop to East.

1445: Remaining crew finishes up while I get more pictures, finish log.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4\_hand\_pulling\_facingNorthWesst.jpg  
-118.17351 34.19384



photo\_2-DG-4\_DG-4-WOUS\_hand\_pulling\_facingWest.jpg  
-118.17304 34.19331





photo\_3-DG-4\_DG-4-WOUS\_after\_hand\_pulling\_facingWest.jpg  
-118.17306 34.19334



photo\_4-DG-4-WOUS-hand\_pulling\_facingNorth.jpg  
-118.17315 34.19298

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	97 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling mustard in DG-4A/DG-4 on the northwest 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, RCPA, CORA, CALT, CASJ, SOSP, CAQU, LEGO, RTHA, BGGN, Desert cottontail, Western toad, MODO, HOFI, BEWR, ACWO, Western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEAP trained a new restoration crew member.

0655: Monitored vegetation clearing in DG-4A/DG-4. Crew was working through the planted area east of the disc golf/parking area in the north and the coastal sage scrub. Primary targets included mustard, perennial pepperweed and poison hemlock.

0800: 3 crew members were sent to the mining pit to clean up the perennial pepperweed along the edges on the far north end in DG-4.

1200: Swept surrounding areas for birds and potential work areas. Very low bird activity due to heat, which was in the mid 90's.

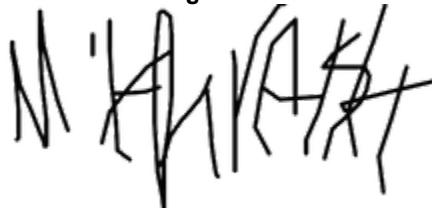
1235: Resumed monitoring vegetation clearing.

1400: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_weed\_abatement\_DG-4\_facingNorth.jpg  
-118.17394 34.1938



photo\_2-after\_weed\_abatement\_DG-4\_facingNorth.jpg  
-118.17386 34.19379



photo\_3-before\_weed\_abatement\_DG-4\_facingNorth.jpg  
-118.17225 34.19356



photo\_4-after\_weed\_abatement\_DG-4\_facingNorth.jpg  
-118.17222 34.19356

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:25	97 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 hand pulling mustard, poison hemlock, and perennial pepperweed in DG-4 in the far northwest corner 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, BEWR, CALT, LEGO, ANHU, BUSH, CASJ, AMCR, BARS, WREN, BGGN, OATI, SOSP, ACWO, Coastal whiptail, Western fence lizard, Common side blotched lizard, Desert cottontail, Neotoma sp., ALHU.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Tailgate meeting with crew regarding working in high heat. Performed a nesting bird survey in DG-4.

0700: Supervised vegetation clearing in DG-4, east of the northwest parking lot/ disc golf area. Crew was still in the planted area from yesterday, with a few crew members flanking the large patch of mulefat working north. A family group of scrub jays was active in the area, one looking like it fledged this year. Possible product of nest CASJ\_1.

0800: Surveyed DG-5 and the nearby Salix woodland for LBVI. None seen or heard.

0830: Resumed monitoring vegetation clearing. 4 crew members went further north to the northernmost planted site in DG-4 and worked their way down towards the other group. Their focus was primarily scattered mustard, with a few horehound seedlings.

1000: Surveyed the remaining areas for nests in DG-4, as the crew was on track to finish the west side. Found several Woodrat middens and a foraging Woodrat. Advised crew to avoid.

1415: Crew began wrapping up for the day and I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_weed\_abatement\_DG-4\_facingEast.jpg  
-118.17208 34.19378



photo\_2-after\_weed\_abatement\_DG-4\_facingEast.jpg  
-118.17206 34.19377



photo\_3-before\_\_weed\_abatement\_DG-4\_facingEast.jpg  
-118.17202 34.19415



photo\_4-after\_weed\_abatement\_DG-4\_facingEast.jpg  
-118.17201 34.19413

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	50 %
<b>End of Day</b>	14:35	86 °F	7-9 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 20 hand pulling various non-natives in DG-W-1, DG-2, 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:**

MODO, CASJ, RCPA, CATH, CALT, LEGO, BLPH, AMCR, ACWO, NUWO, NOMO, SPTO, San Diego alligator lizard, ANHU, HOWR, Western fence lizard, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew met up on West side, caravanned to east side.

0655: Performed a nesting bird survey in DG-W-1.

0705: Showed crew target weeds in the area and cleared them to work. Area was a mix of native container plants (Salix woodland alliance) reaching 4-6 feet tall, with areas between plants containing lots of Baccharis salicifolia, dried Escholtzia californica and Eriogonum gracile. Non native targets included Marrubium vulgare, Nicotiana glauca, Chenopodium spp, Plantago lanceolata and mustards. Nonnatives were largely restricted to planting basins and along the edges of Baccharis stands, so a lot of the days effort was detail work.

1000: Crew had finished Johnson field and surrounding borders of DG-2 and were moving into DG-2 new channels. Similar composition of plants, with areas of pepperweed growth.

1130: Sent 4 crew members into the clearings in DG-2 beneath the willows to remove Ageratina adenophora and Conium maculatum and remove rodent cages where necessary. Family unit of scrub jays in area, did not seem bothered. Foreman Daniel Holmes traveled to repair a break in the fence line on the far north side.

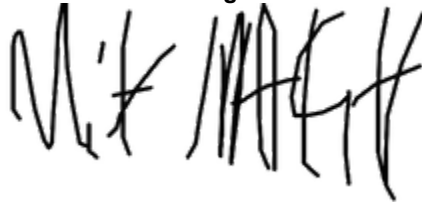
1300: Crew reported finding a large rattlesnake in DG-2. Made sure everyone knew where it was and advised them to avoid it.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature







photo\_1-before\_detail\_work\_DG-W-1\_facingWest.jpg  
-118.17214 34.19176



photo\_2-after\_detail\_work\_DG-W-1\_facingWest.jpg  
-118.17213 34.1918



photo\_3-before\_vegetation\_removal\_DG-2\_facingSouth.jpg  
-118.17181 34.19212



photo\_4-after\_vegetation\_removal\_DG-2\_facingSouth.jpg  
-118.17179 34.19214

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: August 31, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	73 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling assorted nonnative plants in DG-2 new channels, DG-2 WOUS, and DG-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:**

CATH, ACWO, BUSH, CALT, SPTO, CORA, BEWR, ANHU, CASJ, LEGO, RCPA, AMKE, Western toad, Common side blotched lizard, Southern pacific rattlesnake, Striped racer.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey while the crew started working in DG-2 new channels. Some California Towhees in area, appeared to be foraging for insects where the crew had worked. Primary target was pepperweed, which was being pulled from the root to minimize chances of regrowth. Some scattered Conium maculatum, Marrubium vulgare and Adenophora ageratina in area as well. 4 crew members (Raul's team) we're working along the ESA fencing in one of the clearings. Area was low in nonnative cover, but container plants were being choked out by Ambrosia acanthicarpa, which was removed where necessary.

1000: 2 crew members assigned to walk the site looking for plants that had outgrown the rabbit fencing and remove it. They continued doing this for the whole day.

1210: Found a striped racer (*masticophis lateralis*) in the open near the crew darting between container plants. Appeared stressed, possibly flushed from habitat. To prevent it from either being stepped on or run over (we were near the road), I relocated it to a suitable patch of mulefat where we had already cleared about 300 feet away. Before handling, ID was definitively confirmed (had non-keeled scales and dark spots under jaw) to be certain that it was not a 2-striped garter snake.

1400: A light rain began to fall.

1430: Rain got heavier, crew called it for the day while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_pulling\_DG-2-newchannels\_facingNorth.jpg  
-118.17156 34.19046



photo\_2-after\_vegetation\_pulling\_DG-2-newchannels\_facingNorth.jpg  
-118.17176 34.19024



photo\_3-before\_vegetation\_pulling\_DG-2-newchannels\_facingNorthEast.jpg  
-118.17218 34.18997



photo\_4-after\_vegetation\_pulling\_DG-2-newchannels\_facingNorthEast.jpg  
-118.17218 34.19

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: September 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	98 %
<b>End of Day</b>	15:15	67 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG2 and DG2 WOUS Hand tools, tarps, rakes 15 total crew members includes: Natures Image main crew, NI Orange County crew and Temp crew, and foreman Daniel and Didier.

**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, ACWO, OCWA, SOSP, BEWR, RCPA, CATH, CALT, PSFL, MODO, ANHU, LEGO, KILL, BGGN, CORA, COHA, OATI, BUSH, SPTO, CAKI, TUVU

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a light tailboard with foreman Daniel. Crew weeded on the east side just south and southbound of Johnson Field. Using hand tools and hands crews removed perennial pepperweed, Chenopodium albens, Mullien, pigweed, poison hemlock, sweetclover, Dysphania botrys, mustard. The other NI crew (Orange County) removed similar, however they were instructed previously to also remove plants that were determined to be choking some of the planted willows. These plants included some natives (Solanum sp., western ragweed). During the day the biologist walked around checking piles, answered plant questions, searched for nesting birds.

0730: Biologist also notified crew that some late nesting season birds (ex Mourning Doves) could flush from ground and to notify biologist if they see this happen, because it could be a nest.

1200: Similar activities took place after lunch.

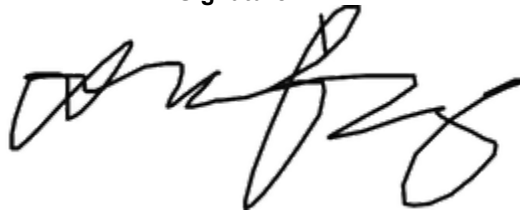
1500: Crew completed work and took tarped plants to the dumpsters. Cleaned trash and left site.

1515: Bio completed this report and left site.

**Additional Comments**

Weather: very light sprinkling for approx 30mins. Noticed that the California Dodder really seems to be literally taking hold of many of the planted mulefats, cottonwoods, and willows and in some cases parasitizing the entire individual. Informed Daniel. Not sure what we can really do in this situation since Dodder is a native and prevention/removal seems too difficult.

**Signature**





**Vegetation\_clear\_during\_facingWest.jpg**  
-118.17222 34.18941



**Cages\_removed\_facingWest.jpg**  
-118.17226 34.18936



**Vegetation\_Removal\_Tarps\_Fence\_during\_facingWestNorthWest.jpg**  
-118.17204 34.18978



**Vegetation\_Clearing\_during\_facingSouth.jpg**  
-118.17308 34.1883



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	100 %
<b>End of Day</b>	15:15	79 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 18 hand pulling assorted nonnative plants in DG-2, DG-2 WOUS, DG-3A, and DG-3B.

**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, CATH, ANHU, SOSP, WREN, CORA, PEFA, CALT, RCPA, CASJ, SBMU, AMCR, BUSH, BGGN, KILL, Fox squirrel, COHA, ACWO, CLSW, San Diego alligator lizard, California ground squirrel, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey and scoped for weeds in the far southeastern side of the site. Observed PEFA in flight near dam.

0700: WEEP trained a new crew member working for Natures Image.

0710: Monitored vegetation clearing. Assigned 3 crew members to the southern corner of DG-2 near the downed telephone poles who finished the last 2 clearings, which had perennial pepperweed growing in them. 4 crew members (OC crew) were assigned to DG-3A/DG-3B working to remove perennial pepperweed and *Chenopodium album* on the west side of the haul truck road. All remaining crew members were assigned to the east side of DG-3A, which was mostly scattered *Hirschfeldia* infestations.

0900: A Yellowjacket hive was found beneath a log on the east side of DG-3A. Nobody was stung, and crew was advised to avoid. Crew was also approaching a large patch of poison oak; crew was reminded to avoid.

1230: 5 crew members assigned to work in DG-2 near the border of DG-2 WOUS/new channels. A small area near the trail was missed containing heavy poison hemlock coverage.

1340: 6 additional crew members pulled into the southernmost tip of DG-3B. Area was being overgrown by perennial pepperweed and they were running out of other things to do on the east side.

1445: Traveled to west side with Foreman Daniel Holmes to inspect the dirt pile flattened by Griffith at the request of Josh and discussed plans to come back to west side the next day.

1500: Crew began wrapping up pulling and I worked on the daily report.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_removal\_DG-2\_facingSouth.jpg  
-118.17291 34.18818



photo\_2-after\_vegetation\_removal\_DG-2\_facingSouth.jpg  
-118.17287 34.18822



photo\_3-before\_vegetation\_removal\_DG-3B\_facingSouth.jpg  
-118.17341 34.18734



photo\_4-after\_vegetation\_removal\_DG-3B\_facingSouth.jpg  
-118.1734 34.18737

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	50 %
<b>End of Day</b>	14:30	88 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 17 hand pulling perennial pepperweed and mustard in DG-4 near the twin boulder region, as well as 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:**

CALT, CASJ, SPTO, ACWO, CATH, HOFI, BUSH, SOSP, ALHU, ANHU, Western fence lizard, CAKI, RTHA, COHA, BUSH, LEGO, MODO, BLPH, California ground squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed the west side for new work areas and birds while crew worked on microline checks.

0745: Crew began pulling pepperweed in DG-4 on the south end of the boulder field. Area was planted with Salix and Baccharis at a height of about 6 feet. Area also had scattered Plantago lanceolata infestations.

0900: Found a large amount of Eucalyptus seedlings (2-5 in) growing in some of the planting basins. Showed to crew, assigned 3 crew members to work on removing them.

0950: Keyed out a Palo verde tree after discovering several seedlings at the base. Since it was Parkinsonia aculeata (nonnative to all of CA), I assigned a crew member to locate and remove all seedlings.

1200: 4 members of the OC crew broke off to remove mustard that had been missed in DG-4C.

1230: Took the bi-weekly photos of the restoration areas at the request of Margie Pfeffer.

1330: Resumed monitoring vegetation clearing. Informed Daniel Holmes that the silt fence had again failed on the east side and he assigned 2 people to go repair it. They were unable to do so because they needed more stakes (they were run over and snapped), so they plan to complete the repair early on the next workday (10/7).

1415: Crew began wrapping up pulling while I inspected the site and worked on the report.

**Additional Comments**

N/A

**Signature**





photo\_1-Before\_pepperweed\_removal\_DG-4\_facingSouth.jpg  
-118.17525 34.19021



photo\_2-After\_pepperweed\_removal\_DG-4\_facingSouth.jpg  
-118.17519 34.19027



photo\_3-Before\_pepperweed\_removal\_DG-4\_facingSouth.jpg  
-118.17517 34.19018



photo\_4-After\_pepperweed\_removal\_DG-4\_facingSouth.jpg  
-118.17514 34.19016

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	65 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	90 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed and assorted nonnatives in DG-4 East of the staging area and south of the boulder 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:**

RCPA, CATH, CALT, CASJ, BEWR, ANHU, CORA, RTHA, Coyote, LEGO, Virginia opossum (tracks), NUWO, OATI, WEBL, MODO, ACWO, SOSP, BUSH, SPTO, WREN, CAQU, DEJU, Desert cottontail

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Swept for nesting birds.

0700: Crew began hand pulling mustard and pepperweed in DG-4 east of the staging area. Primary focus was a clearing beneath a Salix grove near the ESA fencing.

0900: Crew moved along ESA fence line south to the planted area south of the boulder region. Area still had some pepperweed resprouts that were missed on Friday.

1130: 4 crew members sent to east side to fix silt fence and turn on irrigation.

1435: Crew began wrapping up while I inspected the site and took photos.

**Additional Comments**

N/A

Signature





**photo\_1-before\_weed\_abatement\_DG-4\_\_facingEast.jpg**  
-118.1742 34.19133



**photo\_2-after\_weed\_abatement\_DG-4\_\_facingEast.jpg**  
-118.17405 34.19129





photo\_3-crew\_member\_hauling\_tarps\_facingNorthEast.jpg  
-118.17533 34.19251

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: September 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	89 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Nature's Image crew of 7 regular crew and 8 temp workers hand-pulling on west side of project area. Daniel Holmes, 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, SPTO, CASJ, COHA, BGGN, BEWR, LEGO, HOFI, RCPA, ACWO, NUWO, Western fence lizard, CATH, Coastal whiptail, PSFL, CALT, BLPH, RTHA, Side-blotched lizard. Lots of juvenile lizards (whiptails, fence lizards) at Mining Pit.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**


0645: Training two new workers, Mark Martinez and Kurtis Jones. Crews getting started in planted area in DG-4 past 'boulders' near construction fence (34.190104°N 118.175309°W vicinity). A lot of the weeds have been picked through fairly well at this point. Patchy pepperweed, lamb's quarters, hemlock, *Dysphania bottys*, etc). They were looking into a chainsaw for some tree of heaven.

1130: After lunch crew moves to DG-W-2 Mining Pit. Didier and Andre leave to check irrigation valves on East side, return at 13:30. Relatively uneventful afternoon pulling pepperweed and hemlock sprouts at Mining Pit, as the big weeds have already been pulled weeks ago.

**Additional Comments**

N/A

**Signature**





photo\_1\_hand-pulling\_DG-4\_facingEast.jpg  
-118.17575 34.18983



photo\_2\_hand-pulling\_DG-W-2\_MiningPit\_facingSouth.jpg  
-118.17451 34.1931



photo\_3\_hand-pulling\_DG-W-2\_MiningPit\_facingNorth.jpg  
-118.17433 34.19276

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	4-6 MPH	5 %
<b>End of Day</b>	14:30	91 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling perennial pepperweed and mustard in DG-W-1. No labor finders today.

**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, BEWR, CATH, MODO, RCPA, CALT, ANHU, NUWO, HOFI, OATI, SOSP, NOMO, CASJ, ACWO, RTHA, RSHA, Western fence lizard, Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed DG-W-1.

0655: Cleared crew to work in the mining pit. Crew focused efforts on removing pepperweed beneath a now-inactive NUWO nest buffer.

0920: Relocated a western toad.

1000: Crew finished the area within the nest buffer, began moving elsewhere in the mining pit primarily targeting pepperweed. Occasional Ageratina adenophora, very low bird activity.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_DG-W-1\_handpulling\_facing\_NorthEast.jpg  
-118.17448 34.19326



photo\_2-after\_DG-W-1\_handpulling\_facing\_NorthEast.jpg  
-118.17444 34.19327



photo\_3-crew\_hauling\_tarps\_DG-W-1\_facingWest.jpg  
-118.17411 34.19264

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	72 °F	0-3 MPH	80 %
<b>End of Day</b>	14:15	91 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling perennial pepperweed and cutting tree of heaven in DG-4/DG-4A while the OC crew (5 people) did irrigation work in Johnson field (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:**

OATI, MODO, LEGO, CALT, CAQU, PSFL, NUWO, SPTO, CORA, BGGN, WREN, CASJ, RSHA, RCPA, ACWO, BEWR, ANHU, CATH, RTHA, COHA, SOSP, WEBL, ROPI, HOFI, CAKI, BUSH, AMCR, Western fence lizard, Desert cottontail, Fox squirrel, California ground squirrel, Common side blotched lizard, Coastal whiptail, Western toad

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey in DG-4/DG-4A near the primrose area.

0655: Crew began hand pulling vegetation in the aforementioned area. High bird activity in surrounding trees, a group of LEGO was foraging. OC crew redid irrigation in DG-W-1 to ensure proper flow throughout the area.

0720: A light rain began falling. 4 crew members worked on tree of heaven removal.

0742: Checked DG-5 and surrounding areas for LBVI.

0810: Resumed monitoring vegetation clearing. Relocated a western toad. Crew began moving under tree line removing dried poison hemlock.

1400: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**







photo\_1-before\_Ailanthus\_removal\_DG-4A\_facingEast.jpg  
-118.17698 34.19008



photo\_2-after\_Ailanthus\_removal\_DG-4A\_facingEast.jpg  
-118.17688 34.19003



photo\_3-before\_pepperweed\_removal\_DG-4A\_facingSouth.jpg  
-118.17697 34.18984



photo\_4-after\_pepperweed\_removal\_DG-4A\_facingSouth.jpg  
-118.1769 34.18975

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	91 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed, mustard and cutting fig trees with a chainsaw in DG-4 at the southern tip 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, LEGO, BEWR, RCPA, BUSH, SOSP, SPTO, ANHU, CATH, OATI, RTHA, CASJ, Fox squirrel, Western fence lizard, Western toad, PEFA,

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew caravanned to southern area of west side.

0700: Performed a nesting bird survey in DG-4 at the far southern end of the site.

0710: Crew began hand pulling the planted parts of the aforementioned area. Primary target was pepperweed. Relocated a western toad.

0900: Crew worked on cleanup while I met with Keith Hala to discuss the fence alignment.

0935: Resumed monitoring vegetation clearing. Observed PEFA near dam.

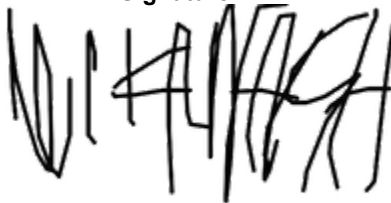
1130: 4 members of the crew began cutting Ficus carica trees with a chainsaw in aforementioned area. By now the rest of the crew was working in an adjacent unplanted area that was skipped due to a Wrentit nest buffer (now inactive).

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pepperweed\_removal\_DG-4\_facingNorth.jpg**  
-118.17702 34.18662



**photo\_2-after\_pepperweed\_removal\_DG-4\_facingNorth.jpg**  
-118.17703 34.18656



photo\_3-before\_pepperweed\_removal\_DG-4\_facingWest.jpg  
-118.17712 34.18674



photo\_4-after\_pepperweed\_removal\_DG-4\_facingWest.jpg  
-118.17714 34.18672

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:20	86 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed and mustard in DG-4 on the far south 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:**

CORA, ACWO, LEGO, BUSH, CALT, BEWR, OATI, SPTO, DEJU, HOFI, BLPH, NUWO, ANHU, BCHU, WIWA, RCPA, AMCR, CASJ, CAQU, AMKE, Western fence lizard, Desert cottontail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey.

0655: Cleared crew to work and monitored vegetation clearing efforts. They were working near the southern tip of DG-4, with one crew of 4 working immediately East of the paved road clearing mustard. Rest of crew was working near truck ramp to clear out perennial pepperweed and poison hemlock.

0720: Found an old coyote den, decided that it was inactive due to cobwebs inside and plant growth across opening. Advised crew to avoid standing too near to it to prevent collapse.

0750: Observed Wilson's warbler foraging in oak woodland west of site.

1030: Inspected perimeter trail signage, briefly drove to east side.

1100: Returned to west side.

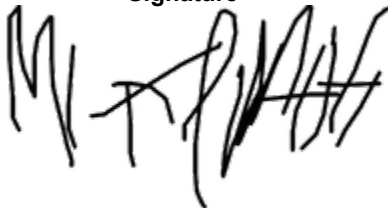
1130: Crew finished the area near the road, all crew members condensed to working near truck ramp.

1415: Crew began wrapping up pulling while I inspected the site and discussed the plan for the next day with the foreman.

**Additional Comments**

N/A

Signature





photo\_1-before\_vegetation\_removal\_DG-4\_facingNorth.jpg  
-118.17756 34.18699



photo\_2-after\_vegetation\_removal\_DG-4\_facingNorth.jpg  
-118.17749 34.18689



photo\_3-before\_vegetation\_removal\_DG-4\_facingNorthWest.jpg  
-118.17684 34.18683



photo\_4-after\_vegetation\_removal\_DG-4\_facingNorthWest.jpg  
-118.17682 34.18686



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: September 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	62 °F	0-3 MPH	30 %
<b>End of Day</b>	14:30	80 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 on the west side, south. Hand tools, tarps, rakes. Nine total crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

**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, ACWO, SOSP, BEWR, RCPA, CALT, MODO, ANHU, LEGO, CORA, COHA, OATI, BUSH, SPTO, CAKI, TUVU, ALHU/RUHU, RSHA, EUST, NUWO, Rattlesnake, SPTO

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Crew weeded on the west side and south of using hand tools and hands crews removed perennial pepperweed, Chenopodium albans, Mullien, pigweed, poison hemlock, sweetclover, Dysphania botrys, mustard, Virginia creeper, and Tibetan.

0800: Insured crew was removing the correct plants-Bio checked through removed vegetation periodically throughout the day.

1040: Biologist escorted excavator across the wash to the east side, outside of the projects disturbance limits.

1200 Similar activities took place after lunch.

1250: Bio relocated a rattlesnake from an irrigation box and into a surrounding patch of mulefat.

1430: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Signature





**Vegetation\_clearing\_during\_facingNorth.jpg**  
-118.1768 34.18724



**Vegetation\_removal\_after\_facingWest.jpg**  
-118.17734 34.18751



**Vegetation\_clearing\_after\_facingEast.jpg**  
-118.1776 34.18705

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	100 %
End of Day	15:05	77 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 20. 4 were part of the fencing crew, who was working on the east side near the staging area. 16 working in DG-4/DG-4 drainage on the south 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:**

WREN, CALT, NUWO, SOSPO, BEWR, Coyote, WCSP, KILL, LEGO, CASJ, CATH, SPTO, OATI, OCWA, BUSH, SAPH, PHAI, ACWO, Western fence lizard, California ground squirrel, CAQU, ANHU, WEBL, BGGN, RTHA, RCPA, PSFL, TUVU, HOWR, MODO, RSHA, Common side blotched lizard, Mule deer, ALHU.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEEP trained a new labor finders' employee.

0700: Monitored vegetation clearing in DG-4 and DG-4 drainage. Crew worked along the eastern edge of DG-4 near the truck ramp pulling pepperweed and into the drainage, which was infested with pepperweed and Virginia creeper.

0900: Went to east side and surveyed the area where fencing was to be installed, marked dots with foreman Daniel Holmes.

1000: Resumed monitoring vegetation clearing. Crew was progressing further north through the drainage channel.

1030: Surveyed areas north of crew in anticipation of them heading there.

1200: Observed mule deer crossing the basin heading towards Altadena drain.

1400: Crew began wrapping up pulling. Went to east side to take bi-weekly photo points of the restoration areas. Checked in with fencing crew; they installed 14 posts.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pulling\_DG-4\_drainage\_facingWest.jpg**  
-118.1769486666668 34.1880193333333



**photo\_2-after\_pulling\_DG-4\_drainage\_facingWest.jpg**  
-118.17704147222223 34.1879519111111



**photo\_3-before\_pulling\_DG-4\_drainage\_facingWest.jpg**  
-118.17713172222223 34.18797440277776



**photo\_4-after\_pulling\_DG-4\_drainage\_facingWest.jpg**  
-118.17714694444444 34.18802769444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	100 %
End of Day	15:15	76 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling Virginia creeper, perennial pepperweed in DG-4/dg-4 drainage and digging a trench in DG-4 sheetflow, crew of 4 working on fencing on the east side.

**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:**

WREN, RCPA, CASJ, LEGO, CATH, CALT, AMCR, NUWO, ACWO, ANHU, MODO, SPTO, CORA, HOFI, EUST, RSHA, WBNU, DEJU, ALHU, GRSP, YEWA, OATI, BGGN, BEWR, WIWA, BUSH, SOSP, KILL, BLPH, BTPI, WETA, ATFL, DOWO, HOWR, WCSP, WEBL, YRWA, SASP, SBMU, COHA, AMKE, NOMO, BUOR, ROPI, RTHA, STJA, CAKI, TUVU, CAQU, Western fence lizard, Common side blotched lizard, California ground squirrel, Fox squirrel, Desert cottontail

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Performed a nesting bird survey. YEWA heard in oak woodland west of site.

0700: Monitored vegetation clearing in DG-4/DG-4 drainage, primarily focused on Virginia creeper. Very high avian species richness for site.

0830: Observed 2 male Wilson's warblers in the oak woodland west of the soccer field.

0845: Crew of 4 began digging a trench to connect DG-4 drainage to DG-W-2 mining pit outlet. Monitored these activities.

0950: Weeding crew finished work in their area. They joined the trench digging crew.

1000: Went to east side to monitor fence installation. Set up pin flags at exact location of posts. 4 crew members who were digging went to the east side to repair the irrigation in Johnson field.

1130: After break, went back to west side. Monitored digging.


1345: Irrigation crew finished and joined digging crew.

1400: Crew was approaching the part of the required trench which was covered in logs and twigs. Noted a Woodrat midden near path of trench. Unsure if active, but advised crew to avoid. Monitored use of a chainsaw by foreman Didier Ramos. Crew had to move a lot of logs, checked all for herps. None observed.

1500: Crew finished up trench digging and I inspected the area.

**Additional Comments**

Signature





**photo\_1-DG-4\_sheetflow\_trench\_facingNorth.jpg**  
-118.1758326 34.19105670833333



**photo\_2-DG-4\_sheetflow\_trench\_facingSouth.jpg**  
-118.17590566666667 34.19114083333333





photo\_3-before\_vegetation\_clearing\_DG-4\_drainage\_facingSouth.jpg  
-118.17720788888889 34.188331963888885



photo\_4-after\_vegetation\_clearing\_DG-4\_drainage\_facingSouth.jpg  
-118.17719766666667 34.18830623333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	85 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 13 hand pulling perennial pepperweed and poison hemlock in DG-4 near the center of 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, CALT, CASJ, NUWO, AMCR, BEWR, LEGO, HOFI, ANHU, WREN, SOSPO, WEBL, OATI, MODO, DEJU, EUST, BUSH, CAQU, CATH, WCSP, ROPI, RSHA, California ground squirrel, Western fence lizard, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting, discussed removing Cuscuta from container plants and picking up garbage at EOD.

Surveyed work area while crew brought tools over etc.

0700: Monitored vegetation clearing in DG-4 and DG-4 drainage near the sheetflow area. Areas still had pepperweed and poison hemlock which had not dropped seed. Area was a Salix woodland alliance.

0845: Surveyed surrounding areas to north for potential work, looked for Cuscuta in phase 2 areas.

1130: Crew continued, by now they were nearing the western edge of DG-4 where the transient LBVI had been sighted in august.

1415: Crew began tarping up while I inspected the site and picked up garbage.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_vegetation\_removal\_DG-4\_facingSouthEast.jpg**  
-118.17568163888889 34.19103777777777



**photo\_2-after\_vegetation\_removal\_DG-4\_facingSouthEast.jpg**  
-118.17572515555555 34.19100563888889



photo\_3-hauling\_efforts\_facingNorthEast.jpg  
-118.1761977055557 34.19075358333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	99 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling scattered mustard and removing *Cuscuta* sp. infestations on container plants in DG-W-2 mining pit outlet and DG-4. 4 were on east side working on fencing.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

OATI, CAKI, NUWO, ANHU, CALT, RCPA, AMCR, MODO, ACWO, LEGO, CASJ, WREN, CAQU, RCSP, DEJU, COHA, WBNU, SOSP, YRWA, BUSH, PHAI, California ground squirrel, Western fence lizard, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Tailgate meeting about the days work and how to deal with *Cuscuta*. Showed crew where the primary infestation was.

0700: Crew of 14 began removing *Cuscuta* from container plants in DG-W-2 mining pit outlet and an adjacent section of DG-4. Crew removed as many tendrils and flowers as was possible, all while transferring them immediately to plastic bags to minimize spread in planted areas.

1000: Crew of 4 went to east side to work on fencing. Most of the day was spent installing and tightening wire.

1200: Temperature approaching 100, low bird activity. Reminded crew to take frequent water breaks.

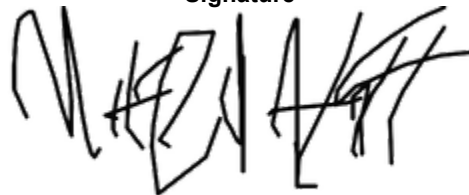
1300: Went to east side to survey future work areas and check fencing progress.

1420: Crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1\_before\_removing\_cuscuta\_facingSouth.jpg**  
-118.17478402777778 34.191927602777774



**photo\_2\_after\_removing\_cuscuta\_facingSouth.jpg**  
-118.17476491666667 34.191927138888886



**photo\_3\_before\_removing\_cuscuta\_facingEast.jpg**  
-118.17444361111112 34.19145016666666



**photo\_4-after\_removing\_cuscuta\_facingEast.jpg**  
-118.17445705555556 34.191451297222216

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: September 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	96 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 (9 temp, 5 perm) hand-pulling on west side, Daniel Holmes 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:**

CALT, SPTO, BUSH, RCPA, CASJ, California ground squirrel, Carpenter bees at Solanum flowers, NUWO, ACWO, CATH, Botta pocket gopher digging under planted willow, PHAI, OATI, Woodrat middens, Side-blotched lizard, Western fence lizard, SOSF, Eastern fox squirrel, Coastal whiptail

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew gears up and heads to DG-W-2 (Mining Pit Outlet) to get pepperweed sprouts amongst plantings. Native species here are basically limited to irrigation rings so here is a lot of bare soil and the work is quite dusty.


0900: About half the crew is done at the South end of outlet and are moving into DG-4 Sheetflow to get more pepperweed and remnant hemlock around the mule fat edges. Recently cut tree of heaven stumps are already vigorously resprouting - it's going to be tough to eradicate those without herbicide.

0940: Some of these workers are moving further south into DG-4. After lunch most of crew heads back to DG-W-2 (Mining Pit) to reinforce berms (water rings) around plants and to pull any weeds. Weeds are mostly pepperweed sprouts. I'm in the process of clearing any nearby inactive nest buffers in Collector. Meanwhile several crew members away doing maintenance on east side, and Daniel is out buying supplies for planned fence around reservoir. Very hot day, frequent breaks. I've surveyed this area and there are no significant weeds or nesting, etc, so I leave at 2:30.

**Additional Comments**

N/A

**Signature**






**photo\_1-hand-pulling\_DG-W-2\_Mining\_Pit\_Outlet\_facingNorth.jpg**  
-118.1746816388889 34.1925043055555



**photo\_2-hand-pulling\_DG-4\_Sheetflow\_facingSouth.jpg**  
-118.1756176388889 34.19134525



photo\_3-berms\_and\_hand-pulling\_DG-W-2\_Mining\_Pit\_facingNorth.jpg  
-118.1743956388889 34.1930870166667

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	67 °F	0-3 MPH	0 %
<b>End of Day</b>	14:35	84 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling mustard and poison hemlock in DG-4, fixing berms in DG-W-2 mining pit, and working on fencing on the east 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:**

CALT, BUSH, OATI, HOFI, LEGO, RCPA, AMCR, CORA, NUWO, ACWO, CATH, CASJ, BEWR, WCSP, MODO, MOCH, COHA, WEBL, EUST, SAPH, BHCO, DEJU, RTHA, CAQU, BGGN, TUVU, GRRO, Southern pacific rattlesnake, California ground squirrel, Western fence lizard, Common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Held tailgate meeting about days work.

0655: Monitored crew fixing container plant berms in DG-W-2 mining pit. Many were flattened or otherwise ineffective due to the soft soil in the area.

0845: Found a juvenile southern pacific rattlesnake under an irrigation switch. Advised crew to avoid. It moved into a mulefat on its own, no relocation necessary. Surveyed area of DG-4 east of mining pit.

0900: Crew finished up with berms, moved on to veg clearing in DG-4 east of the mining pit.

0930: Noted smoke coming over from near Mt. Wilson, AQI was still 25. Monitored periodically throughout the day.

1000: Crew of 5 caravanned to east side to install fencing. Traveled with them and surveyed the area they planned to work in.

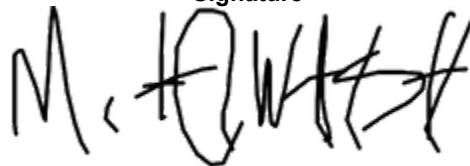
1030: Resumed monitoring vegetation clearing in DG-4.

1420: Went to east side to take photo of fencing progress.

**Additional Comments**

AQI was monitored throughout day, it never went above 36.

Signature





**photo\_1-repaired\_berm\_facingNorth.jpg**  
-118.17444400833334 34.19321433333333



**photo\_2-before\_clearing\_vegetation\_DG-4\_facingWest.jpg**  
-118.17362366666667 34.19230697222222



photo\_3-after\_clearing\_vegetation\_DG-4\_facingWest.jpg  
-118.17386338888889 34.19232213888888



photo\_4-progress\_on\_fencing\_facingSouth.jpg  
-118.17318484166667 34.18673925833333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	82 °F	0-3 MPH	0 %
<b>End of Day</b>	14:05	82 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling poison hemlock in DG-4 on the northwest side of the site. 6 of these were also working on fencing on the east side for part of the day.

**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, BEWR, CALT, CASJ, Coyote, CAKI, AMCR, BGGN, LEGO, ALHU, SOSP, ACWO, CATH, CORA, CAQU, WCSP, PUFI, RTHA, COHA, Southern pacific rattlesnake, California ground squirrel, Western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with the crew about AQI, which was being monitored for the rest of the day periodically. At start of day it was around 50.

0655: Moved the crew to DG-4 slightly northeast of the staging area, monitored vegetation clearing. Area was a mulefat grove overgrown with 2 years worth of poison hemlock that appeared to have never been pulled. Hemlock from this year had not dropped seed.

0700: Crew of 4 started setting up on the east side to do fencing.

0845: 2 more weeding crew members were sent to east side to help with fencing.

1000: Monitored use of an excavator on the east side, briefly surveyed fencing areas.

1030: Resumed monitoring vegetation clearing. By now, there was no visible smoke in the air and AQI was still at 50.

1200: 3 members of the weeding crew had to leave early, so the weeding crew switched to pickup earlier than usual. Inspected the site and took photos.

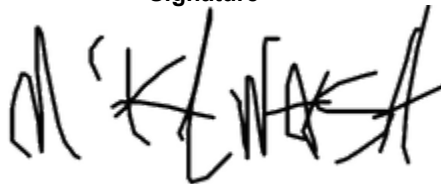
1230: Went to east side to monitor fencing installation. Terrain was very rocky.

1400: Crew stopped digging and switched to backfilling holes. They placed 14 new fence posts by end of day.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_pulling\_Conium\_DG-4\_facingEast.jpg**  
-118.1734976777779 34.1922235555555



**photo\_2-after\_pulling\_Conium\_DG-4\_facingEast.jpg**  
-118.17348948611112 34.19222793611111



**photo\_3-before\_pulling\_Conium\_DG-4\_facingNorth.jpg**  
-118.17350958333334 34.19232126111111



**photo\_4-after\_pulling\_Conium\_DG-4\_facingNorth.jpg**  
-118.17341631944446 34.19235755555555



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	64 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling mustard and poison hemlock in DG-4 east of the mining pit. Crew of 6 working on fencing on the east 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:**

RCPA, WREN, CASJ, CATH, CAQU, NUWO, ACWO, CALT, WCSP, BUSH, BGGN, COHA, MOD0, RSHA, Coyote, CORA.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEEP trained a new employee.

0700: Monitored vegetation clearing east of the mining pit. Area was a Salix woodland flanked with Baccharis salicifolia. Some Ribes aureum and very sparse Toxicodendron diversilobum in area, otherwise all clearings were overgrown with poison hemlock and mustard. Nonnative species had not been cleared in several years; this year's growth was dried but had not dropped seed. Told crew members to pile directly onto tarps to minimize seed spread. Overcast, minimal bird activity.

0900: Briefly surveyed the last remaining section on the east side for fencing crew.

0915: Resumed monitoring vegetation clearing.

1100: Had a brief conversation with county agricultural commission about the location of possible bark beetles.

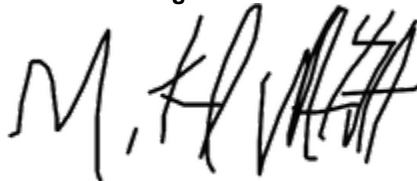
1400: Crew began wrapping up pulling while I inspected the site for trash etc.

0215: Went to east side to photograph daily fencing progress.

**Additional Comments**

N/A

Signature





**photo\_1-before\_Conium\_removal\_DG-4\_facingSouthEast.jpg**  
-118.17328136111112 34.192358266666666



**photo\_2-after\_Conium\_removal\_DG-4\_facingSouthEast.jpg**  
-118.17330203611111 34.19233036111111



photo\_3-crew\_working\_on\_fencing\_facingNorth.jpg  
-118.1734769722223 34.1859755666666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	100 %
End of Day	15:00	70 °F	7-9 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 hand pulling mustard and poison hemlock in in DG-4, DG-4 WOUS, and DG-4 WOUS connections. Crew of 4 from Orange County working on irrigation. Crew of 6 working on fencing installation on the east 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:**

LEGO, NUWO, CASJ, RCPA, CALT, CATH, AMCR, CORA, HOFI, WCSP, CAQU, WREN, CAKI, MODO, BGGN, Desert cottontail, KILL, American black bear (tracks), RTHA, NOMO, unknown gull.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew grabbed tools etc. the Orange County Natures image crew was working on irrigation, and the fencing crew was on the east side running wire through fence posts and cleaning up the area.  
0700: Talked to weeding crew about leaving water bottles on site. Monitored vegetation clearing east of the mining pit. Primary focus was along the sides of the trail which runs North/south through DG-4 WOUS connection, which was overgrown with mustard and poison hemlock.  
0715: A member of the Orange County crew informed me that an American black bear had been seen in the mining pit headed south at 0645. I was able to verify this claim by examining the footprints. Individual possibly young due to small footprint size, but age class unknown. Since this was not too far from where the crews are working, I immediately gathered all crew members and informed them. We had a brief tailgate regarding bear safety.  
0800: Irrigation crew and weeding crew were merged, they worked on vegetation clearing together. Surveyed all nearby areas for the black bear to ensure it was not a danger to the crew members while monitoring the restoration crew on and off. No new sign was detected, trail was lost just east of DG-4B heading NW towards the perimeter trail.  
1400: Crew began wrapping up pulling while I inspected the site and ceased surveying for the bear. Given the level of effort applied to surveying and the lack of new sign discovery, I find it highly unlikely that the black bear is still anywhere near the crew at this point.  
1420: Had a more in-depth tailgate meeting with the whole crew about bear safety measures using talking points passed down from CDFW via Kieth Hala. Took inventory on fence posts.

**Additional Comments**

N/A

Signature





photo\_1-before\_invasive\_removal\_trail\_DG-4\_WOUS\_facingNorth.jpg  
-118.1736428888889 34.19202925



photo\_2-after\_invasive\_removal\_trail\_DG-4\_WOUS\_facingNorth.jpg  
-118.1737317777779 34.1920593055555



photo\_3-bear\_track\_DG-W-2\_facingNorth.jpg  
-118.1745016388889 34.192763111111105

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: September 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	75 %
<b>End of Day</b>	15:15	75 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 and DG-4A on the west side (northern) Hand tools, tarps, rakes Fourteen total crew members includes: Natures Image main crew, temp crew, Riverside Co NI crew, and supervisors Daniel and Didier.

**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, ACWO, SOSP, BEWR, RCPA, CALT, MODO, ANHU, CORA, COHA, OATI, BUSH, SPTO, TUVU, ALHU/RUHU, EUST, Coyote, GRRO (scat only), DOWO, Tiger Whiptail, YRWA, PSFL, WCSP, BGGN, NUWO, CAKI

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Crew weeded on the west side DG4 and DG4A using hand tools and hands crews removed mostly dead poison hemlock.

0730: Spoke to a couple of relatively new people to the project about not removing woodrat middens/houses-keeping these intact.

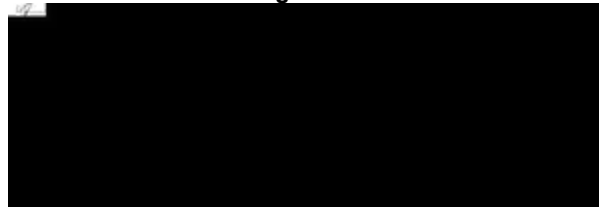
1200: Similar activities took place after lunch.

1515: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Spoke to a Surveyor from the Los Angeles County Agriculture Commission. Notified Supervisor Margie

**Signature**





**Vegetation\_clearing\_during\_facingNorthWest.jpg**  
-118.17301388888889 34.193199166666666



**VegetationClear\_before\_facingNorthWest.jpg**  
-118.17223351666667 34.193118999999996





**VegetationClear\_during\_facingNorthWest.jpg**  
-118.17222048611112 34.19313558333333



**Vegetation\_clear\_after\_facingNorthWeset.jpg**  
-118.17224706388889 34.19316455555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	53 °F	0-3 MPH	0 %
<b>End of Day</b>	15:10	90 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 hand pulling poison hemlock and mustard in DG-4 WOUS, DG-4; crew of 2 working on irrigation.

**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, LEGO, AMCR, CASJ, WTSW, ANHU, CAQU, CATH, coyote, COHA, COYE, WREN, NUWO, WCSP, ACWO, MODO, CORA, BGGN, BEWR, common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area.

0700: monitored vegetation clearing in DG-4 WOUS and DG-4. Work area was a Salix woodland flanked by mulefat, with open areas overgrown by poison hemlock.

0715: Found a coyote den in DG-4 near the northern parking lot which I am considering active. 5 coyotes entered a shrub and did not come out. Upon closer inspection, there was a hole and a fresh pile of dirt. All relevant details put into collector and crew was advised to avoid by 30 feet to prevent burrow collapse, although they were much farther away than that.

0945: 2 crew members were assigned to remove the snake fencing on the east side.

1130: Crew was making their way to the south side of the nearby horse trail into the southern half of DG-4 WOUS.

1400: Crew began wrapping up pulling while I took the bi-weekly photo points of the site. Inspected snake fence removal; which is incomplete but progressing.

**Additional Comments**

N/A

**Signature**





**photo\_1-before\_pulling\_DG-4\_WOUS\_facingNorth.jpg**  
-118.17355131666667 34.19183361111111



**photo\_2-after\_pulling\_DG-4\_WOUS\_facingNorth.jpg**  
-118.17352487222223 34.19182596111111



photo\_3-before\_pulling\_DG-4\_WOUS\_facingNorth.jpg  
-118.1738440277778 34.19193999999995



photo\_4-after\_pulling\_DG-4\_WOUS\_facingNorth.jpg  
-118.1738365638889 34.19195576388885

# Devil's Gate Reservoir Restoration Project Fourth Quarter Compliance Report Activities Occurring Between October 2021 and December 2021

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## **Submitted to:**

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## **Prepared for:**

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**January 2022**

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- Appendix A: Construction Monitoring Logs
- Appendix B: Habitat Restoration Monitoring Logs

**LIST OF ACRONYMS AND ABBREVIATIONS**

<b>Term</b>	<b>Description</b>
CDFW	California Department of Fish and Wildlife
CNDDB	California Natural Diversity Database
ESA	Environmentally Sensitive Area
ITP	Incidental Take Permit
LACFCD	Los Angeles County Flood Control District
LACPW	Los Angeles County Department of Public Works
MMRP	Mitigation Monitoring and Reporting Program
USFWS	U.S. Fish and Wildlife Service

## **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 2021 (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 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 thirteenth report (Quarterly Compliance Report Number 13) 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, 2021.

## **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 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."

Daily monitoring of construction activities by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site. Daily 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.

Devil's Gate Reservoir Restoration Project  
Fourth Quarter 2021 Compliance Report

<b>Table 1. Monitors Onsite During Work Days.</b>				
<b>Date</b>	<b>Construction Monitors</b>	<b>Restoration Monitors (Stillwater)</b>	<b>Restoration Monitors (ICF)</b>	
10/1/2021	Adam Schroeder	Michael Walsh	N/A	
10/4/2021		Michael Walsh		
10/5/2021		Michael Walsh		
10/6/2021		Scott Werner		
10/7/2021		Michael Walsh		
10/8/2021		Michael Walsh		
10/11/2021		Michael Walsh		
10/12/2021		Michael Walsh		
10/13/2021		Amy Plesetz		
10/14/2021		Michael Walsh		
10/15/2021		Michael Walsh		
10/18/2021		Michael Walsh		Lela Updegrave
10/19/2021		Michael Walsh		Lela Updegrave
10/20/2021		Scott Werner		Lela Updegrave
10/21/2021		Michael Walsh		Lela Updegrave
10/22/2021		Michael Walsh		Lela Updegrave
10/25/2021		Michael Walsh		No Work
10/26/2021		Michael Walsh		Lela Updegrave
10/27/2021		Amy Plesetz		Lela Updegrave
10/28/2021		Michael Walsh		Lela Updegrave
10/29/2021		Michael Walsh	Lela Updegrave	
11/1/2021		Michael Walsh	Lela Updegrave	
11/2/2021		Michael Walsh	Lela Updegrave	
11/3/2021		Scott Werner	Lela Updegrave	
11/4/2021		Michael Walsh	Lela Updegrave	
11/5/2021		Michael Walsh	Lela Updegrave, Kristen Klinefelter	
11/8/2021	<b>Sediment Removal Activities Complete – Routine Annual Maintenance to Begin in 2022</b>	Michael Walsh	Lela Updegrave	
11/9/2021		Michael Walsh	Kristen Klinefelter	
11/10/2021		Amy Plesetz	Kristen Klinefelter	
11/11/2021		Michael Walsh	Lela Updegrave	
11/12/2021		Michael Walsh	Lela Updegrave	
11/15/2021		Michael Walsh	Lela Updegrave	
11/16/2021		Michael Walsh	Lela Updegrave	
11/17/2021		Scott Werner	Lela Updegrave	
11/18/2021		Michael Walsh	Kristen Klinefelter	
11/19/2021		Michael Walsh	Lela Updegrave	
11/22/2021		Michael Walsh	Lela Updegrave	
11/23/2021		Michael Walsh	Lela Updegrave	
11/24/2021		Amy Plesetz	Kristen Klinefelter	
11/25/2021			<b>No Work – Thanksgiving</b>	<b>No Work – Thanksgiving</b>
11/26/2021			<b>No Work – Day After Thanksgiving</b>	<b>No Work – Day After Thanksgiving</b>
11/29/2021			Dawn Garcia	Lela Updegrave
11/30/2021			Dawn Garcia	Lela Updegrave
12/1/2021			Amy Plesetz	Lela Updegrave
12/2/2021			Michael Walsh	Lela Updegrave
12/3/2021			Michael Walsh	Lela Updegrave
12/6/2021		Dawn Garcia	Lela Updegrave	
12/7/2021		Dawn Garcia	Lela Updegrave	
12/8/2021		Amy Plesetz	Lela Updegrave	
12/9/2021		No Work	No Work	
12/10/2021		Michael Walsh	Lela Updegrave	
12/13/2021		Michael Walsh	Lela Updegrave	
12/14/2021		No Work	No Work	



**Table 1. Monitors Onsite During Work Days.**

Date	Construction Monitors	Restoration Monitors (Stillwater)	Restoration Monitors (ICF)
12/15/2021		Scott Werner	Kristen Klinefelter
12/16/2021		Michael Walsh	Kristen Klinefelter
12/17/2021		Michael Walsh	Kristen Klinefelter
12/20/2021		Michael Walsh	Lela Updegrave
12/21/2021		Michael Walsh	Lela Updegrave
12/22/2021		Amy Plesetz	Lela Updegrave
12/23/2021		Scott Werner	No Work
12/24/2021		<b>No Work – Christmas Eve</b>	<b>No Work – Christmas Eve</b>
12/27/2021		Scott Werner	No Work
12/28/2021		Michael Walsh	Lela Updegrave
12/29/2021		No Monitor Needed	No Work
12/30/2021		No Work	No Work
12/31/2021		No Work	Lela Updegrave

## 2.2 Project Construction Activities

The final day of project demobilization activities occurred during this reporting period (October 1, 2021). A Designated Biologist monitored the final fence installation on this day. The construction monitoring log from this quarter is 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, 2021 through December 31, 2021.
- Non-native plants including perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), lamb's quarters (*Chenopodium album*), giant reed (*Arundo donax*), annual ragweed (*Ambrosia artemisiifolia*), brome grass (*Bromus* sp.), rigpgut brome (*Bromus diandrus*), red brome (*Bromus madritensis ssp. ruberns*), puncturevine (*Tribulus terrestris*), curly dock (*Rumex crispus*), smilgrass (*Piptatherum miliaceum*), red stemmed filaree (*Erodium cicutarium*), common passion flower (*Passiflora caerulea*), wild radish (*Raphanus sativus*), poison hemlock (*Conium maculatum*), petty surge (*Euphorbia peplus*), sedge sp. (*Carex* sp.), tall flatsedge (*Cyperus eragrostis*), eucalyptus (*Eucalyptus* sp.) sprouts, short podded mustard (*Hirschfeldia incana*), pineapple weed (*Matricaria discoidea*), Indian plantain (*Plantago arenaria*), tree tobacco (*Nicotiana glauca*), castor bean (*Ricinus communis*), tree of heaven (*Ailanthus altissima*), fig (*Ficus carica*), lesser swine cress (*Lepidium didymum*), tocalote (*Centaurea melitensis*), star thistle (*Centaurea solstitialis*), Shamel ash (*Fraxinus uhdei*), Jerusalem thorn (*Parkinsonia aculeata*), pigweed (*Amaranthus albus*), tamarisk (*Tamarix* sp.), Himalayan blackberry (*Rubus armeniacus*), annual stinging nettle (*Urtica urens*), sow thistle (*Sonchus oleraceus*), Russian thistle (*Salsola tragus*), Italian thistle (*Carduus pycnocephalus*), scarlet pimpernel (*Anagallis arvensis*), dodder sp. (*Cuscuta* sp.), Jerusalem thorn (*Parkinsonia aculeata*), hounds tongue (*Cynoglossum officinale*), burclover (*Medicago polymorpha*), and cheese weed (*Malva neglecta*), were removed from DG-1, DG-W-1, DG-W-2, DG-W-2 Mining Pit and Mining Pit Outlet DG-2, DG-2 New Channels, DG-2-WOUS, DG-2B, DG-3A, DG-3B, DG-4,

DG-4-WOUS, DG-4A, DG-4B, DG-4 Drainage, DG-4 Sheet flow, DG-5 and DG-8 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.

- Silt fencing was removed from around DG-3A at Alta Dena drain after hauling operations were complete.

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 January 1 to March 31, 2022.

### **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 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
<b>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2021 fourth quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2021 fourth quarter reporting period. See Table 1 for details.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 pandemic, the initial 2021 worker education training was provided for project personnel to view electronically prior to the start of Project activities on April 19, 2021. 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 2021 fourth quarter reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/18 - 11/27/18, 3/15/19 - 4/14/19, 3/1/20 – 5/19/20, 3/17/21-3/29/21	Preconstruction surveys for sensitive species were conducted by qualified biologists on March 17, 24, 25, 26, and 29, 2021. Preconstruction least Bell's vireo surveys were completed during the second quarter of 2021 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 2021. No preconstruction surveys took place during the fourth quarter of 2021.
<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	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 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>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>	Sediment Removal; Sediment Removal; Reservoir Management	Reservoir Management				3/1/21 – 4/16/21	during the second quarter of 2021. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project and restoration activities daily during the nesting season in 2021. The fourth quarter 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 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. No surveys related to this measure were required during the 2021 fourth quarter reporting period.
<p><b>MM BIO – 6:</b> Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub.</li> <li>Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will</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 2021 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>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. 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>	<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>	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

**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>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>	<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>					<p>measure were required during the 2021 fourth quarter reporting period. Restoration activities were continued during the 2021 fourth quarter reporting period.</p>
<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	<p>Restoration activities were continued during the 2021 fourth quarter reporting period.</p>

**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>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: Construction Monitoring Logs

Appendix B: Habitat Restoration Monitoring Logs



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**APPENDIX A**

Construction Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: October 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	4-6 MPH	0 %
<b>End of Day</b>	15:15	91 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

1. Fence installation.
2. Two work trucks.
3. Three personnel (Ace Fence Co.)

**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, EUST, ACWO, CORA, MODO, CASJ, HOFI, RTHA

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrive on site, conducted clearance sweep of the work area.

1250: Monitored installation of permanent chain link fencing at the top of the entrance ramp.

**Additional Comments**

N/A

**Signature**





08-01-2021\_fence\_installation\_facingEast.jpg

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**APPENDIX B**

Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	0-3 MPH	0 %
<b>End of Day</b>	13:00	90 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling poison hemlock and mustard in DG-4 WOUS, crew of 3 removing silt fencing on east 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:**

WCSP, CATH, LEGO, BUSH, RCPA, CAQU, CASJ, CORA, AMCR, ACWO, CALT, SAPH, COHA, WEBL, Desert cottontail, Coyote.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew set up.

0700: Monitored vegetation clearing in DG-4 WOUS. Area was a mulefat grove, with areas between shrubs that had become infested with Hirschfeldia.

0800: Crew was assigned to work on irrigation and cleanup while Daniel Holmes and myself met with Edison about fence placement on the west side and the upcoming renovation of the power poles on the site.

1015: Resumed monitoring vegetation clearing.

1200: Crew began wrapping up pulling earlier than usual to help with transportation of the conex from the east to the west side. I went to the east side and monitored removal of the conex, then monitored the placement onto the west side.

1230: Went back to east side, checked under last few large items to be moved for wildlife, inspected area for garbage.

**Additional Comments**

N/A

Signature





**photo\_1-before\_pulling\_DG-4\_WOUS\_facingSouth.jpg**  
-118.17404443333334 34.191840344444444



**photo\_2-after\_pulling\_DG-4\_WOUS\_facingSouth.jpg**  
-118.17402275 34.191842694444444



**photo\_3-before\_pulling\_DG-4\_WOUS\_facingSouth.jpg**  
-118.17370504444445 34.191566916666666



**photo\_4-after\_pulling\_DG-4\_WOUS\_facingSouth.jpg**  
-118.17364305555556 34.19159843333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	4-6 MPH	70 %
<b>End of Day</b>	14:55	88 °F	4-6 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling Cuscuta in DG-W-1, DG-2, 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:**

BUSH, WCSP, CALT, BEWR, AMCR, SOSP, LEGO, NUWO, CASJ, ACWO, BGGN, desert cottontail, ANHU, WREN, RCPA, CATH, CAQU, BLPH, LAGO, BRSP, RTHA, AMKE.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Discussed plan with Foremen and caravanned to east side.

0700: Crew began pulling Cuscuta sp. from container plants it had begun to overwhelm. Started in Johnson field along the western edge. Aside from a few Nicotiana glauca seedlings, area is almost entirely native, with Salix woodland alliance being the dominant vegetation type. Lower areas had high concentration of Bachcharis salicifolia. Areas of high growth were approaching 6 feet.

0800: Crew turned on irrigation, noted that several spots in Johnson field appear to be having low pressure problems.

0845: Crew began moving into channels. Cuscuta was largely confined to the West bank of the channel near the southernmost confluence, so they focused there. Similar vegetation type, with areas of high growth being closer to 8 or 9 feet. Cuscuta infestations in this area were much more severe. Very high bird diversity noted; several firsts for the area observed (LAGO, BRSP). Lots of activity from regular species like CALT/CASJ as well.

1300: Surveyed remaining east side areas for Cuscuta, as it was looking like the crew was going to finish today. No new infestations noted.

1445: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**







**photo\_1-before\_cuscuta\_removal\_facingSouth.jpg**  
-118.17229147222223 34.19013944444444



**photo\_2-after\_cuscuta\_removal\_facingSouth.jpg**  
-118.17232398611111 34.19014826944444



photo\_3-crew\_hauling\_bags\_facingNorthEast.jpg  
-118.17224014722223 34.18938645555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	10 %
<b>End of Day</b>	13:45	79 °F	7-9 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling vegetation in DG-4 WOUS and DG-4 WOUS connections, crew of 4 working on irrigation and trash pickup on the east 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:**

WREN, CASJ, BUSH, BCHU, CALT, SPTO, CATH, MODO, WCSP, DEJU, WEBL, BLPH, NOFL, NUWO, AMCR, ANHU, CAKI, BGGN, COHA, CORA, KILL, SAPH, California ground squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew of 4 was sent to east side to sweep all restoration areas for trash (small bottles, pieces of metal etc.) while crew of 12 gathered tools for weeding on the west side. I surveyed sections of DG-4, DG-4 WOUS connections immediately south of the mining pit.

0700: Monitored vegetation clearing in aforementioned areas. Primary targets were perennial pepperweed and poison hemlock; with numerous mulefat and Salix sp. flanking open areas. First observation of a northern flicker on site for the season.

0800: Walked channels to see if there was evidence of water flow from last night's thunderstorm. Found none. An estimated to 30 snags fell over in the mining pit because of wind.

0830: Resumed monitoring vegetation clearing. Talked with crew about avoiding snapping mulefat twigs.

1200: Noticed new growth in the bottom of the flood basin. Investigated, it appeared to mostly be Chenopodium album. Noticed 3 tamarisk seedlings on slopes of basin.

1205: Weeding crew moved into DG-4 WOUS to the southeast to clear mustard.

1335: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_pulling\_DG-4\_WOUS\_connections\_facingNorth.jpg  
-118.1742563888889 34.19227202777776



photo\_2-after\_pulling\_DG-4\_WOUS\_connections\_facingNorth.jpg  
-118.17422416666668 34.19227340277777



**photo\_3-before\_pulling\_DG-4\_WOUS\_facingWest.jpg**  
-118.17345208333334 34.19151647222222



**photo\_4-after\_pulling\_DG-4\_WOUS\_facingWest.jpg**  
-118.17358241666668 34.19153672222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: October 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	72 °F	4-6 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of about 12 (6 temps, 6 NI employees), Daniel Holmes foreman, hand-pulling weeds 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:**

CATH, AMCR, CASJ, CALT, CAQU, RCPA, SPTO, ANHU, WCSP, SOSP, HOFI, ACWO, NUWO, BGGN, BLPH, YRWA, NOFL, DEJU, BEWR, CAKI, western fence lizard, coastal whiptail. Possible mountain lion scat on trail near parking lot at 34.192778°N 118.174941°W; hairy; seems too large for coyote, unlikely to be black bear; SAPH, CORA, side blotched lizard, Woodrat middens, RTHA.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645 work crew meets in main dumpster/parking area on west side, discusses work to be done, grabs tools, heads due east toward edge of restoration zone. They are pulling/hoeing poison hemlock, Hirschfeldia mustard and others in willow/mule fat forest of DG-4 and future DG-4 WOUS. Understory away from mule fat is already fairly sparse, and weeds are well dried out at this point in season. Some recent moisture on ground after rain on Monday, foggy morning. The work is fairly spread out which works fine outside of nesting bird season. Several workers are getting a few of large castor bean shrubs growing on the newly established sandy reservoir bank. Some workers eventually move southward along edge of reservoir and back into open DG-4.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand-pulling\_DG-4\_WOUS\_facingSouthEast.jpg**  
-118.1737767222223 34.1916488472222



**photo\_2\_hand-pulling\_DG-4\_facingNorthEast.jpg**  
-118.1745588333334 34.1904999833333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	58 °F	4-6 MPH	100 %
<b>End of Day</b>	14:25	64 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and Parkinsonia aculeata 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:**

CALT, ACWO, NUWO, WREN, RCPA, LEGO, COHA, AMCR, NOFL, GBHE, YRWA, OATI, RTHA, CORA, BEWR.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed DG-4/DG-4A near the south side of the boulder field.

0655: Monitored vegetation clearing in aforementioned areas. Primary target was perennial pepperweed, which was sprouting from the planting basins. Low bird activity.

0845: Noticed more Parkinsonia aculeata seedlings in the planting basins. Gathered crew to show them what they looked like, assigned 2 to work on pulling them.

1215: Supervised use of a chainsaw. Eucalyptus tree branch had fallen onto some container plants. By now crew was well into the section of DG-4 south of the boulder field.

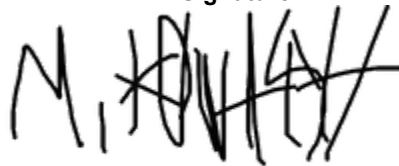
1300: Surveyed surrounding areas for possible weeding work.

1415: Crew began wrapping up pulling for the day.

**Additional Comments**

N/A

Signature







**photo\_1-before\_pepperweed\_removal\_DG-4\_facingWest.jpg**  
-118.17519291666667 34.1906245



**photo\_2-after\_pepperweed\_removal\_DG-4\_facingWest.jpg**  
-118.17519153611111 34.19063825



**photo\_3-pre\_pepperweed\_removal\_DG-4A\_facingSouth.jpg**  
-118.1751766 34.1906465555555



**photo\_4-post\_pepperweed\_removal\_DG-4A\_facingSouth.jpg**  
-118.17502819444445 34.19049168055555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	4-6 MPH	100 %
End of Day	14:38	64 °F	4-6 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock 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:**

CALT, BGGN, CATH, RCPA, GBHE, AMCR, BEWR, RSHA, WCSP, HOFI, MODO, CASJ, CAQU, WREN, ANHU, OCWA, ACWO, NOMO, COHA, CEDW, NUWO, BUSH, RNSA, CORA, CAKI, California ground squirrel.

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: Surveyed DG-4/DG-4A south of the boulder field while crew mobilized.

0655: Monitored vegetation clearing in aforementioned area. Primary target was perennial pepperweed. Poison hemlock starting to sprout, still just cotyledons. Light rain for first few hours; crew worked through it.

0930: Went to east side to inspect area for trash and surveyed the area for the final 2 sign posts.

1030: Resumed monitoring vegetation clearing. Lots of bird activity on site.

1200: Surveyed nearby areas for weeds. Identified potential work in DG-4B.

1400: Escorted foreman Daniel Holmes across the north end of the site with the excavator.

1430: Crew began wrapping up pulling for the day, hauled tarps.

**Additional Comments**

N/A

Signature





**photo\_1-before\_removing\_pepperweed\_facingWest.jpg**  
-118.1754060000001 34.19025201944444



**photo\_2-after\_removing\_pepperweed\_facingWest.jpg**  
-118.17541701666667 34.19029185277776



**photo\_3-before\_removing\_pepperweed\_facingSouth.jpg**  
-118.1753418500001 34.1902374805555



**photo\_4-after\_removing\_pepperweed\_facingSouth.jpg**  
-118.17532219444445 34.19025058333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	14:45	66 °F	10-12 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 10 hand pulling nonnative plants 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:**

RCPA, AMCR, CALT, CASJ, DEJU, CORA, CATH, LEGO, RSHA, WTSW, BGGN, BLPH, BEWR, SOSP, ACWO, NOFL, PUF1, ANHU, EUST, WEBL, MODO, BUSH, WBNU, OATI, CAQU, CAKI, RTHA, YRWA, WCSP, desert cottontail, western fence lizard.

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

0645: Crew set up and gathered tools while I surveyed work area.

0655: Monitored vegetation clearing near north and west sides of the twin boulder field. Primary target was perennial pepperweed, which was growing between container plants and in planting basins in a Salix woodland alliance.

0730: Found Arundo donax north of boulder field in DG-4. Assigned 2 crew members to cut/dig it out. Half of the infestation could not be removed because it was rooted in a Woodrat midden, these were cut just above the start of the midden and the roots had to be left in place.

0800: Taught crew to identify Euphorbia peplas and had them remove it.

0900: Surveyed channels for signs of mountain lion, of which scat had possibly been found last week. Found nothing.

1300: Discovered a path leading into the very large poison oak thicket next to the twin boulder field. It appears that a recent trespasser attempted to build a teepee lodged in the poison oak unknowingly. They tunneled through it, breaking what was likely several thousand twigs. It looked large enough to have been dug out by a bear. Found a recent human footprint.

1430: Crew began wrapping up, I walked site with foreman Didier Ramos and discussed plan for next day.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weed\_removal\_DG-4\_facingWest.jpg**  
-118.17559641666666 34.19098751111111



**photo\_2-post\_weed\_removal\_DG-4\_facingWest.jpg**  
-118.17562286111112 34.19100406944444



**photo\_3-before\_arundo\_removal\_DG-4\_facingNorth.jpg**  
-118.17494180555556 34.19149958333333



**photo\_4-after\_arundo\_removal\_DG-4\_facingNorth.jpg**  
-118.17492687777778 34.19150566666664



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	7-9 MPH	0 %
<b>End of Day</b>	14:45	70 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 20 hand pulling perennial pepperweed and other nonnatives in DG-4 on the north 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:**

BUSH, CALT, RCPA, AMCR, WCSP, BEWR, LEGO, CASJ, CATH, MODO, BGGN, ACWO, HOFI, HETH, RTHA, ALHU, CAKI, TUVU, AMKE, WTSW.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew gathered tools and got ready.

0655: Monitored vegetation clearing in DG-4 near the coastal sage scrub area. Crew was working adjacent to the basin in a planted area mostly composed of 8 foot high mulefat. Active coyote den nearby- reminded crew to avoid by at least 50 feet. Found Ambrosia artemesiaefolia; the nonnative ragweed. Had crew remove a thicket of it near the parking lot.

1200: Crew began making it to northern end of planted area, progressed north.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_pulling\_DG-4\_facingNorth.jpg**  
-118.1722135277779 34.19381724999995



**photo\_2-post\_pulling\_DG-4\_facingNorth.jpg**  
-118.17222733888889 34.19381925



**photo\_3-pre\_pulling\_DG-4\_facingEast.jpg**  
-118.17220100833333 34.19376133333333



**photo\_4-post\_pulling\_DG-4\_facingEast.jpg**  
-118.172211 34.19376558333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: October 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	10 %
<b>End of Day</b>	15:15	75 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Veg clearing in DG4 and DGW2 on the west side (northern) Hand tools, tarps, rakes Fourteen total crew members includes: Natures Image main crew, temp crew, Riverside Co NI crew, and supervisors Daniel and Didier.

**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, ACWO, SOSP, BEWR, RCPA, CALT, MODO, ANHU, CORA, COHA, OATI, BUSH, SPTO, TUVU, EUST, DOWO, Tiger Whiptail, YRWA, PSFL, WCSP, BGGN, NUWO, CAKI, RNSA, LEGO, NOFL, CAQU, tiger whiptail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Crew weeded on the west side DG4 and DGW2 using hand tools and hands crews removed mostly dead poison hemlock.

0730: Spoke to a couple of relatively new people to the project about not removing woodrat middens/houses-keeping these intact.

1200: Similar activities took place after lunch.

1515: Biologist completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Spoke to a Surveyor from the Los Angeles County Agriculture Commission. Notified Supervisor Margie

**Signature**





**Vegetation\_removal\_during\_facingNorthEast.jpg**  
-118.17474713888889 34.19327683333333



**Removal\_during\_facingWest.jpg**  
-118.17426718333334 34.19348833333333



**Vegetation\_removal\_after\_facingSouth.jpg**  
-118.17457061111112 34.19352405555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 14, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	14:40	77 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 working on weed and snag removal in DG-W-2 mining pit and DG-W-2 mining pit 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:**

BUSH, COYE, DEJU, CASJ, RCPA, AMCR, LASP, CALT, NOFL, BUSH, WEBL, OATI, desert cottontail, western fence lizard, common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew gathered tools and mobilized. Tailgate meeting about safety with falling snags and how to recognize live bark beetles.

0700: Crew began working on removing downed willow snags in the mining pit that were on container plants. Over the last 2 weeks, several windstorms had knocked down numerous (30+) snags. Due to their size, most landed on container plants. Snags were chopped with an axe, saw, or snapped with body weight due to red flag conditions. Once removed from container plants, the remaining segments were laid on bare ground in the mining pit with the hope that it would become useful microhabitat to amphibians etc. as the wood decayed. In situations where that was not feasible, they were stacked. None were removed from the mining pit.

0900: Most snags has been dealt with, 8 crew members began doing detail work removing perennial pepperweed and fixing misshaped planting basins in the mining pit. Not much bird activity aside from usual CASJ/WCSP but did observe a lark sparrow foraging near the perimeter trail.

1230: All snags had been taken off container plants. No crew member ended up finding any live/dead bark beetles during the removal process. Monitored vegetation clearing. Several crew members began edging south into the mining pit outlet channel.

1430: Crew began wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-snag\_on\_container\_plant\_facingNorth.jpg**  
-118.17448959722223 34.19280272222222



**photo\_2-pre\_pepperweed\_removal\_facingNorth.jpg**  
-118.17443794444445 34.19288871111111





photo\_3-post\_pepperweed\_removal\_facingNorth.jpg  
-118.17458288888889 34.19286383333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	4-6 MPH	0 %
<b>End of Day</b>	14:45	86 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed 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:**

SOSP, RCPA, AMCR, WREN, HOFI, BUSH, CALT, DEJU, OATI, YRWA, ACWO, WEBL, WCSP, LASP, LEGO, ANHU, BEWR, CORA, CAQU, RCKI, BLPH, CATH, AMKE, NOFL, ALHU, California ground squirrel, coyote.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew began setting up while I surveyed the work area.

0655: Monitored vegetation clearing in DG-4A near the "primrose" area, which is an open field flanked by Salix woodland. The primary target in this area is pepperweed. Roots were dug out to the best of the crew's ability to prevent resprouting. Noted a pair of CATH courting in DG-5. Encountered 6 coyotes near the inactive YEWA-3 nest. They did not run off like they usually do, which is strange given I noticed them from 30 feet away. Told crew to avoid that area. 2 were pups.

0900: 4 crew members began cutting fig trees in DG-4 by hand (due to red flag conditions).

1200: Surveyed nearby areas for potential work. Found lots of Fraxinus uhdei seedlings. Noted first RCKI of season.

1330: Took bi-weekly photo points of site.

1430: Crew wrapped up pulling and I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-pre\_pepperweed\_removal\_facingNorth.jpg**  
-118.17687148611111 34.18969448888888



**photo\_2-post\_pepperweed\_removal\_facingNorth.jpg**  
-118.17687377777779 34.18969939722222



**photo\_3-pre\_pepperweed\_removal\_facingNorth.jpg**  
-118.17691868055556 34.18983936944444



**photo\_4-post\_pepperweed\_removal\_facingNorth.jpg**  
-118.17698408333334 34.18984119444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	62 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	64 °F	0-3 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Vegetation clearing of invasive weeds. Species include: lambs quarters, tumbleweed, pepper weed, Bromus sp., puncture vine, mustard sp.
2. Hand weeding and two line trimmers.
3. Gothic Landscaping. Crew of 12. Scott Rose crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

BIRDS: CATH, WCSP, CALT, BLPH, SOSP, AMCR, BUSH, OATI, ACWO, YRWA, CASJ, CORA, NOFL, LEGO, BGGN.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0800: WEAP training presentation.

0900: Biologist did site sweep of work area DG-3A (east side). Target species identified with crew.

0930: Monitored invasive species vegetation removal.

1200: Break for lunch.

1230: Work continues in DG-3A. Only hand pulling for the remainder of the day.

1400: Crew moves work to west side of DG-3A.

1500: Work ends for day.

**Additional Comments**

Light drizzle throughout the day.

**Signature**

*Lela Updegrave*



**Invasive\_vegetation\_removal\_DG-3A\_facingEast.jpg**  
-118.17307750833334 34.18756568888889



**Invasive\_vegetation\_removal\_during\_facingWest.jpg**  
-118.17308345833334 34.18736452222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	4-6 MPH	100 %
<b>End of Day</b>	14:38	64 °F	7-9 MPH	55 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed in 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:**

RCPA, BUSH, CALT, WREN, ACWO, AMCR, CORA, BLPH, CATH, BGGN, OATI, WCSP, LEGO, NUWO, CAQU, CASJ, YRWA, SOSP, CAKI, WEBL, WBNU, DEJU, NOFL, coyote, western fence lizard, western toad.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site. It was raining, so crew waited in cars while I surveyed the site. Found no evidence of flow through the channels. WEEP trained a new employee.

0715: Monitored vegetation clearing in DG-4B. Primary target was perennial pepperweed and mustard. Area was a planted Salix woodland alliance with vegetation ranging from 6-9 feet high. Nonnative cover was scattered but persistent throughout DG-4B.

1000: Rain started coming down hard, crew went to cars for 15 minutes to wait it out.

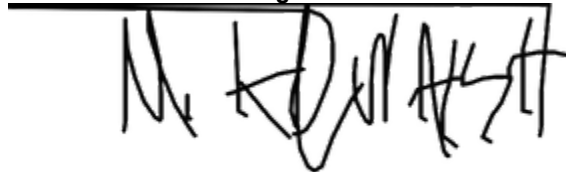
1015: Resumed monitoring vegetation clearing.

1430: Crew began wrapping up pulling while I inspected the site and picked up trash.

**Additional Comments**

N/A

Signature





photo\_1-pre\_vegetation\_removal\_DG-4B\_facingSouthEast.jpg  
-118.1749120638889 34.19217148611111



photo\_2-post\_vegetation\_removal\_DG-4B\_facingSouthEast.jpg  
-118.17496840833334 34.19217856666666





photo\_3-crew\_removing\_cleared\_vegetation\_facingNorthEast.jpg  
-118.1752525388889 34.1924595

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	53 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	69 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Shovels and hoes used.
3. Gothic Landscaping. Crew of 11, plus Scott Rose as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: SOSP, AMCR, LCPA, CALT, WCSP, YRWA, ANHU, LEGO, BUSH, CASJ, TUVU, NOFL

Reptiles: Western fence lizard

Mammals: Brush rabbit

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Meet on-site.

0700: Tailgate safety/natural resources meeting.

0720: Begin site sweep of DG-3A and DG-3B. Crew begins work in cleared areas. Target species include: mustard, lambs quarters, tumbleweed, pepper weed. Biologist monitors work progress.

0800: Porta potty arrives on site. Biologist inspects area for natural resources before installation.

1115: Crew finds carcasses of four baby rats in DG-3B which were potentially killed by a male rat or another small animal. The carcasses appear at least a day old. It does not appear these deaths were work related.

1200: Crew breaks for lunch.

1230: Crew begins work on side slope area toward dam.

1430: Crew stop vegetation clearing and haul waste vegetation to dumpsters.

1500: Crews end work for the day. Approximately 0.7 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-3B\_facingWest.jpg**  
-118.17335218333334 34.186875816666664



**Invasive\_species\_removal\_SideslopeEast\_facingNorthEast.jpg**  
-118.17439304722222 34.18580926111111

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	66 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling perennial pepperweed, poison hemlock and mustard in DG-4, DG-4 sheetflow, 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:**

CASJ, WREN, RCPA, AMCR, NOFL, WCSP, EUST, BUSH, ACWO, DEJU, CALT, YRWA, WEBL, WBNU, LASP, OATI, BEWR, RTHA, CORA, RCKI, California ground squirrel, common side blotched lizard, western fence lizard, MODO.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4B. Crew continued work pulling pepperweed and mustard in yesterday's area, moving to the far south and north ends of DG-4B. Found some Cuscuta sp. on a few container plants, had crew remove it. Very cold- minimal bird activity at start of day.

0730: Checked in on OC crew, who was working nearby in DG-4 also removing pepperweed. Switched between these 2 groups on and off for the day.

0900: Surveyed nearby areas for potential work. Noted some weed growth in DG-4 sheetflow; told crew to move in that direction when finishing up with DG-4B.

1200: All of regular crew had moved into DG-4 sheetflow, while OC crew was still nearby in DG-4.

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-pre\_pulling\_DG-4\_sheetflow\_facingSouthWest.jpg  
-118.17614161111112 34.19136911111111



photo\_2-post\_pulling\_DG-4\_sheetflow\_facingSouthWest.jpg  
-118.17614 34.191323174999994



**photo\_3-pre\_cuscuta\_removal\_facingSouthEast.jpg**  
-118.17549541666668 34.19182327777777



**photo\_4-post\_cuscuta\_removal\_facingSouthEast.jpg**  
-118.17558050000001 34.19182284444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: October 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	75 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 workers hand-pulling on west side, Daniel Holmes 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:**

YRWA, WCSP, NOFL, ACWO, HOFI, WREN, CASJ, CALT, NUWO, SOSP, LEGO, BUSH, ANHU, AMCR, RCKI, fox squirrel, Ca ground squirrel, side-blotched lizard, western fence lizard, CORA, BGGN, RSHA. One worker saw a bobcat in Mining Pit outlet upon returning from lunch. CAKI, BLPH

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew stages in main dumpster parking lot, heads south to DG-4 around DG-4-Sheetflow. Group is fairly spread. Some tree of heaven next to DG-5 is being cut. Site is still dry overall, a few hemlock sprouts here and there, some Hirschfeldia that may or may not be dead are being pulled. Watered areas do have some larger weeds.  
1200: I met two LA County Dept of Agriculture employees inspecting trees for invasive shothole boring beetles. (Ishb.org, Rachel Burnap, 213-377-7872, rburnap@acwm.lacounty.gov.) She wanted us to be aware of the potential occurrence in trees with dbh > 4 inches especially if cutting trees and I said that we were focused on the weeds, along with some smaller trees of heaven. Crews continue to work toward South West and edge of willow woodland as DG-4 meets DG-4A. Tarps are being removed using a bobcat quad while staging from the open area on the south side of DG-5.

**Additional Comments**

N/A

**Signature**





**photo\_1\_hand-pulling\_DG-4\_facing\_SouthWest.jpg**  
-118.17612836111111 34.19075998888885



**photo\_2\_hand-pulling\_DG-4\_facing\_SouthWest.jpg**  
-118.17636580555556 34.19057826944444



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	52 °F	0-3 MPH	0 %
<b>End of Day</b>	15:05	73 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 10 plus Scott Rose as 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:**

Birds: SOSP WCSP BLPH RTHA LCPA NUWO NOFL YRWA CALT CORA HOFI BUSH KILL CAQU Reptiles:  
Western fence lizard Mammals: Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0700: Arrive on site.  
0715: Begin safety tailgate/natural resources meeting.  
0730: Biologist conducts site sweep within work area.  
0740: Crew begins work for the day in the southern side slope areas. Main target species include Russian thistle, lambs quarters, mustard, pepper weed, castor bean and sow thistle.  
0900: Crew takes break.  
0915: Crew returns to work inside slope areas. Biologist monitors.  
1200: Break for lunch.  
1230: Crew begins work on side slopes and DG-3B.  
1430: Crew stops vegetation clearing to haul weeds to dumpster.  
1500: Crew ends work for the day. Approximately 2.85 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_vegetation\_removal\_Sideslope\_facingWest.jpg**  
-118.173938 34.18606960277778



**Invasive\_vegetation\_removal\_Sideslope\_facingEast.jpg**  
-118.17377672222223 34.18755408333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	53 °F	4-6 MPH	20 %
<b>End of Day</b>	15:30	80 °F	4-6 MPH	35 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 10 plus Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: SOSP, WCSP, BLPH, LCPA, NOFL, YRWA, CALT, CORA, CATH, WREN, ACWO, CASJ, HOFI, ANHU, HUVI WAVI

Mammals: California ground squirrel, fox squirrel

Reptiles: Western fence lizard, coastal whiptail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0700: Arrive on site.

0715: Begin safety tailgate/natural resources meeting.

0730: Biologist conducts site sweep within work area (side slope east).

0740: Crew begins work in the eastern side slope areas. Main target species include Russian thistle, lambs quarters, mustard, and pepper weed. Biologist gives WEAP training to one new crew member.

0900: Crew takes break.

0915: Crew returns to work in side slope areas. Biologist monitors.

1000: Crew begins work within DG-3A and DG-3B. Two crew members work in DG-2 and DG-2 WOUS. Main target species include: Russian thistle, pepper weed, mustard, and non-native grasses.

1200: Break for lunch.

1230: Crew returns to work on side slope areas.

1330: Crew moves to work on northern portions of DG-3A.

1500: Crew stops work and hauls vegetation to dumpster. Approximately 0.6 acres completed.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-2\_facingNorth.jpg**  
-118.17289050555556 34.18861954444444



**Invasive\_species\_removal\_DG-3B\_facingNorthEast.jpg**  
-118.17309343333334 34.18785955555555



**Invasive\_species\_removal\_DG-3A\_facingNorth.jpg**  
-118.172768888889 34.1878041527777

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	80 °F	4-6 MPH	15 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 19 hand pulling perennial pepperweed and poison hemlock 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:**

CALT, AMCR, BUSH, ANHU, RCPA, DOWO, WCSP, CASJ, CAQU, OATI, YRWA, ACWO, EUST, LEGO, HOFI, WTSW, KILL, RSHA, BCHU, SOSP, BEWR, DEJU, WEBL, WREN, fox squirrel, California ground squirrel, desert cottontail, coyote, western fence lizard, common side blotched lizard, NOFL.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Inspected site while crew set up.

0655: Monitored vegetation clearing in DG-4 and DG-4 sheetflow. Crew worked in the planted sites near the perimeter trail and in between a grove of mulefat nearby that had not been cleared out yet. Primary target was perennial pepperweed and dried poison hemlock which had not dropped seed yet.

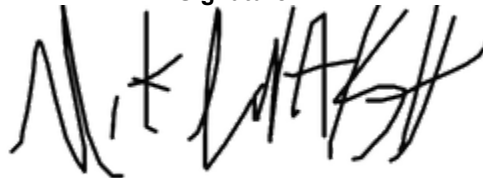
0900: Surveyed far southern end of the site (DG-4). Area had a lot of pepperweed seedlings and resprouts. OC crew (8 people) worked down there. Throughout the day I switched between monitoring the two crews.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_pulling\_DG-4\_facingEast.jpg**  
-118.17642575 34.191218388888885



**photo\_2-post\_vegetation\_pulling\_DG-4\_facingEast.jpg**  
-118.17643336111112 34.1912216027777



photo\_3-pre\_vegetation\_pulling\_DG-4\_facingNorth.jpg  
-118.17657790277778 34.19125566666666



photo\_4-post\_vegetation\_pulling\_DG-4\_facingNorth.jpg  
-118.17655185000001 34.19124025



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	52 °F	0-3 MPH	40 %
<b>End of Day</b>	13:00	72 °F	0-3 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 11 plus Scott Rose as 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:**

Birds: SOSPO, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, ANHU, HUVI, RCKI, HOFI, BUSH, RNSA, FOSP,  
Reptiles: Western fence lizard, coastal whiptail.  
Amphibians: Western toad.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0700: Arrive on site.

0730: Begin safety tailgate/natural resources meeting.

0745: Crew begins work in DG-2, DG-2B and DG-2 WOUS. Crew is keeping more spread out today to avoid impacts to native species. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0930: Crew takes break.

0945: Crew returns to work in DG-2, DG-2B and DG-2 WOUS. Biologist monitors.

1100: Biologist finds remains of a sharp-shinned hawk in DG-2. The kill appears to be at least a few days to a week old. The kill appears naturally predated (possibly a bobcat) and is not likely work-related.

1135: Biologist observed potentially active coyote den in DG-2.

1230: Break for lunch.

1300: Crew ends for the day. Approximately 2.15 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-2\_facingSouthWest.jpg**  
-118.1722073805556 34.1895451944444



**SSHA\_predation\_facingEast.jpg**  
-118.17197511944445 34.1900004166666



**Coyote\_den\_facingSouth.jpg**

-118.17237979722222 34.18996584722222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	4-6 MPH	20 %
End of Day	14:30	70 °F	4-6 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image regular crew of 12 hand pulling nonnative plants in DG-4 (in both the central and southern parts of the site), 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:**

ACWO, WREN, BEWR, CALT, CASJ, LEGO, SPTO, SOSP, WCSP, ANHU, HOFI, DEJU, NOFL, HETH, TUVU, CAQU, western fence lizard, desert cottontail.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Inspected site while crew set up. DG-4 and DG-4 sheetflow, where the crew left off yesterday, had mostly been finished but a little was left.

0655: Monitored vegetation clearing in the aforementioned areas. Crew mostly focused on removing perennial pepperweed resprouts, with some attention paid to Bromus diandrus that had begun growing in planting basins.

0930: Crew began wrapping up to move to the far southern corner of the site, DG-4. Primary target was perennial pepperweed and poison hemlock.

1130: 2 crew members were assigned to irrigation work.

1230: Irrigation crew members found a willow tree about 300 feet east of the main parking area which a large part of had recently fallen onto our plantings, possibly within the same day. Monitored removal and piecing of logs with a chainsaw. Large logs were laid out on shaded ground over leaf litter with the hope that invertebrates and herps would utilize this as habitat. Small twigs and branches (which were still alive) were lopped off and staked into empty planting basins.

1315: Resumed monitoring vegetation clearing. Crew focused on removing Himalayan blackberry resprouts from the root.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weeding\_DG-4\_facingSouth.jpg**  
-118.17621221111112 34.191073499999995



**photo\_2-post\_weeding\_DG-4\_facingSouth.jpg**  
-118.17623612777778 34.19107555555555



**photo\_3-pre\_weeding\_DG-4\_facingSouth.jpg**  
-118.17723275 34.187719011111106



**photo\_4-post\_weeding\_DG-4\_facingSouth.jpg**  
-118.17726072222223 34.18769737222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: October 25, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	7-9 MPH	100 %
<b>End of Day</b>	11:05	54 °F	7-9 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 16 hand pulling perennial pepperweed and Passion flower, using a chainsaw to cut a fig tree in DG-4 on the southern 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:**

RCPA, DEJU, CALT, desert cottontail, ACWO, OATI, WREN, AMCR.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, must like precipitation occurring. Inspected site while crew set up/gathered tools etc.

0700: Crew was working in a Salix woodland adjacent to the perimeter trail just south of the last DG-4A clearing.

Foreman Didier Ramos was using a chainsaw to remove a very large fig tree (8-10 small trunks with 6 in basal diameter growing from a single point) growing amongst the willows while other crew members relayed logs to the bobcat for offloading. Several crew members worked on removing pepperweed and mustard seedlings nearby.

0845: Precipitation increased, crew waited in their car for 15 minutes.

0900: After precipitation slowed, crew continued. By now the Fig was fully cut down, most crew were working on removing Passion flower nearby which was blanketing the willows. 2 crew members proceeded to dig out what they could of the fig. Roots were surprisingly shallow, so they continued.

1040: Crew went to their cars to wait out heavy precipitation again.

1055: Foreman Daniel Holmes sent all crew members home due to rain. Forecast predicted it would become increasingly heavy for the rest of the day. Several stayed behind to turn off irrigation for water conservation while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_fig\_removal\_facingWest.jpg**  
-118.1774456555556 34.18956703611111



**photo\_2-post\_fig\_removal\_facingWest.jpg**  
-118.17726863888889 34.189439630555555



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: October 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	50 %
<b>End of Day</b>	14:25	66 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock in DG-W-2 mining pit and adjacent 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:**

WREN, WCSP, SOSP, CATH, AMCR, CORA, RCPA, CALT, MALL, CANG, KILL, BGGN, YRWA, GREG, coyote, CASJ, CAQU, OATI, MODO, SPTO, DEJU, ACWO, NOFL, BEWR, NUWO, Bobcat, western fence lizard, common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, held a tailboard meeting with crew about the days work.

0655: Monitored vegetation clearing in the mining pit. Crew mostly removing pepperweed seedlings, with some scattered lesser swinecress (*Lepidium didymum*). Area has required numerous retreatments due to recent weather events combined with what I suspect is an abundance of subsurface water in this area. 2-3 crew members adjacent in DG-4 at the south end of the mining pit. This area was primarily just dried pepperweed which still had seeds around the edges of *Baccharis salicifolia* plants. Walked around making sure crew was removing the right plants.

0740: Walked to border of basin to see how much water had collected during yesterday's rain event. While in a fairly isolated area, I encountered a coyote. It did not seem to be afraid of humans and briefly followed me at about 15-20 feet. Possibly habituated to using humans as a source of food, advised crew to avoid.

0800: Resumed monitoring vegetation clearing.

1030: Photographed evidence of water flow into the new channel connecting the southern terminus of the mining pit outlet to DG-4 drainage.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_pulling\_DG-4\_facingSouthWest.jpg**  
-118.17443833333334 34.19270594444444



**photo\_2-post\_pulling\_DG-4\_facingSouthWest.jpg**  
-118.17443813888889 34.19267041666665



photo\_3-pre\_pulling\_Mining\_pit\_facingWest.jpg  
-118.17427470277778 34.192943513888885



photo\_4-post\_pulling\_Mining\_pit\_facingWest.jpg  
-118.17425075 34.19289802777777

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 26, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	48 °F	0-3 MPH	10 %
<b>End of Day</b>	14:45	72 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Scott Rose as 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:**

Birds: SOSP, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, HOFI, BUSH, AMPI, KILL, OATI, CAKI, CANG, MALL

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0700: Arrive on site.

0715: Walk down to staging area to check for mud.

0730: Begin safety tailgate/natural resources meeting.

0745: Biologist gives WEAP training to two new crew members. Crew begins work in DG-2. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0930: Crew takes break.

0945: Crew returns to work in DG-2. Biologist monitors.

1200: Break for lunch.

1230: Crew returns to work in DG-2.

1445: Crew stops work. Approximately 2 acres cleared today.

**Additional Comments**

Water in the reservoir near dam after rain event.

**Signature**





**Invasive\_species\_removal\_DG-2\_facingNorthWest.jpg**  
-118.1715031388889 34.190386749999995

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Scott Rose as 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:**

Birds: ANHU, AMPI, BEWR, SPTO, ACWO, BLPH, SOSP, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, HOFI, BUSH, KILL, OATI, HUVI, CAKI, CORA, AMCR

Mammals: coyote

Reptiles: Western fence lizard, side-blotch lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Biologist gives WEAP training to one new crew member. Crew begins work in Johnson Field. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0915: Crew takes break.

0930: Crew returns to work in Johnson Field. Biologist monitors.

1200: Break for lunch.

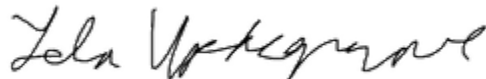
1230: Crew returns to work in Johnson Field.

1445: Crew ends work for the day. Approximately 2.5 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_JohnsonField\_facingSouthEast.jpg**  
-118.1717467972223 34.19139755555554

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: October 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	10 %
<b>End of Day</b>	15:15	77 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Veg clearing in DG4 and DGW2 (Mining Pit) located on the west side (northern) Hand tools, tarps, rakes Twelve total crew members includes: Natures Image main crew, temp crew, other NI crew, and supervisors Daniel and Didier.

**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, ACWO, SOSPO, BEWR, RCPA, CALT, MODO, CORA, COHA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, BGGN, CAKI, NOFL, CAQU, EUCD, WREN, SPTO, ANHU, HOFI, RCKI, OATI, coyote (vocalizing),

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

6:45: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Myself and foreman's noticed trash bags ripped out with trash spread out everywhere near dumpsters. Likely caused my wildlife (coyote tracks).

Crew weeded on the west side DG4 and DGW2 (Mining Pit) using hand tools and hands crews removed mostly young veg stage poison hemlock and perennial pepper weed. The soil remained saturated from recent rains from Monday. Looked through tarped piles of removed plant to ensure crews were removing correct species.

12:00 Similar activities took place after lunch.

15:15: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Before work, noticed trash spread out around dumpster. Likely coyotes (only coyote tracks observed) were the culprit. LA County groundskeepers cleaned up trash near the dumpster before end of day.

**Signature**







**Vegetation-removal\_mining pit\_facingNorth.jpg**  
-118.1736437388889 34.19359177777776



**Vegetation\_tarp\_after\_facingWest.jpg**  
-118.17356384444444 34.19349423888889



**Vegetation\_tarping\_during\_facingWest.jpg**  
-118.1736292222223 34.19367369444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: October 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	86 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling perennial pepperweed in DG-4A, crew of 2 from OC working on irrigation elsewhere.

**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, RCPA, CANG, AMCR, NOFL, MALL, RTHA, HOFI, CASJ, CALT, ACWO, CAKI, WREN, CAQU, MODO, BUSH, LEGO, SPTO, western toad, KILL, BEWR, BGGN, NUWO, AMKE, OATI, WEBL, YRWA, WTSW, CITE, western fence lizard, common side blotched lizard, California ground squirrel, SAPH.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0700: Monitored vegetation clearing in DG-4A south of the boulder field (adjacent to the now-inactive YEWA\_3 nest). Crew was using a mix of trowels and trenching shovels to take out the tubers of pepperweed. Found Ceanothus leucoderma on the western basin slope adjacent to crew.

0730: 2 crew members from OC were assigned to work on irrigation checks. The wildlife has been particularly active at biting into the lines the last few weeks. Checked in with them a few times throughout the day.

1400: Crew began wrapping up pulling for the day. Took the bi-weekly photo points throughout the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-pre\_pepperweed\_removal\_facingNorthEast.jpg**  
-118.17567841666667 34.18986752777777



**photo\_2-post\_pepperweed\_removal\_facingNorthEast.jpg**  
-118.17565578888889 34.189842972222216



photo\_3-crew\_in\_progress\_DG-4A\_facingNorthWest.jpg  
-118.17576858333334 34.18985783333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	62 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	86 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Juan Olemos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: ANHU, ACWO, BLPH, WCSP, LCPA, NOFL, YRWA, CALT, CASJ, HOFI, BUSH, OATI, CAKI, CORA, AMCR, RNSA, CAGO, CACG, MALL, RCKI, DEJU, SSHA

Mammals: California ground squirrel

Reptiles: Western fence lizard, side-blotch lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work in Johnson Field. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0900: Crew takes break.

0915: Crew returns to work in Johnson Field. Biologist monitors.

1100: Crew finishes Johnson Field and moved south to DG-2.

1200: Break for lunch.

1230: Crew returns to work in DG-2.

1325: Crew member finds an immature rattlesnake in DG-2. The snake was reportedly about 10 inches long. The rattlesnake retreated into a nearby wood rat midden.

1355: Crew member identifies another immature rattlesnake in DG-2, approximately the same size as the first snake (10 in). Snake retreats into woody debris under willow tree.

1445: Crew ends work for the day. Approximately 1.5 acres cleared today.

**Additional Comments**

N/A

**Signature**





**photo\_1\_crew\_pulling\_invasive\_weeds.jpg**  
-118.1720964888889 34.19140606666666



**Invasive\_species\_removal\_DG-2\_facingSouth.jpg**  
-118.17193245555556 34.190015341666665



**Rattlesnake\_sighting\_location\_DY-2\_facingNorth.jpg**  
-118.17254081388889 34.189576213888884



**Rattlesnake\_sighting\_location2\_DG-2\_facingNorthEast.jpg**  
-118.17240125000001 34.189210305555555



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: October 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	62 °F	0-3 MPH	0 %
<b>End of Day</b>	12:30	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 14 plus Scott Rose as 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:**

Birds: ANHU, ACWO, BLPH, WCSP, LCPA, NOFL, YRWA, CALT, CASJ, HOFI, KILL, CORA, AMCR, CCGO, CACG, MALL, CAQU

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work on western side slopes. Main target species include mustard, tree tobacco, pepper weed lambs quarters, and Russian thistle. Biologist monitors removal of species.

0900: Crew takes break.

0915: Crew returns to work on western side slopes.

1030: Crew splits up to work on other areas due to lack of dumpster capacity. A small crew continues on the eastern side slopes to cut large castor bean bushes. A small crew works in DG-2 clearing a patch of tree of heaven. The rest of the crew works on collecting and dumping weed material from the side slopes.

1230: Crew ends work early due to the long drive home. Approximately one acre cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_SideslopeWest\_facingWest.jpg**  
-118.1756866250001 34.18915481388884



**Invasive\_species\_removal\_SideslopeWest\_facingNorth.jpg**  
-118.17560490277778 34.189201



**Invasive\_species\_removal\_DG-2\_facingWest.jpg**  
-118.1716199777778 34.19028594444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: October 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	66 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	82 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image regular crew of 12 hand pulling perennial pepperweed in DG-4A, crew of 7 from OC checking irrigation and hand pulling assorted nonnative 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:**

CCGO, OATI, CALT, YRWA, AMCR, ANHU, NOFL, RCPA, WEBL, DEJU, BEWR, SPTO, MALL, BGGN, WCSP, LEGO, PUF1, NUWO, ACWO, KILL, HOFI, MODO, WREN, CASJ, CAQU, WEME, AMKE, BUSH, California ground squirrel, western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, had a tailboard meeting with foremen regarding the days plan.

0700: Monitored vegetation clearing. Regular crew continued working in DG-4A near the now-inactive YEWA\_3, pulling pepperweed roots and removing eucalyptus resprouts. Several large Eucalyptus stumps were resprouting, along with new seedlings in the adjacent planting basins. The OC crew was working near the parking lot in DG-4 on the border of DG-4B pulling dried pepperweed from amongst the mulefat. Throughout the day I switched between monitoring the two crews.

0900: Walked the site to evaluate new germination following Monday's rain. Observed possible mountain lion scat near the intersection of the basin and the old horse trail. Not very certain of ID, but alerted crew either way.

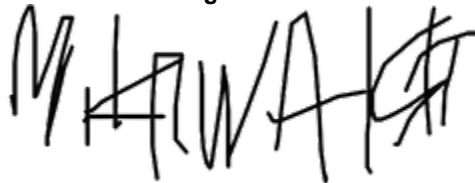
1130: Observed first western meadowlarks of the season on soccer field. By now regular crew had made it mostly into DG-4 just north of the aforementioned field. OC crew was finishing up the aforementioned area and working on irrigation checks.

1415: Crew wrapped up pulling de the day while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_eucalyptus\_detail\_work\_facingSouth.jpg**  
-118.1754966666667 34.1900095388889



**photo\_2-post\_eucalyptus\_detail\_work\_facingSouth.jpg**  
-118.1755282777779 34.1900040166666



**photo\_3-pre\_eucalyptus\_cutting\_facingWest.jpg**  
-118.1756323333334 34.18961126388885



**photo\_4-post\_eucalyptus\_cutting\_facingWest.jpg**  
-118.17572011111112 34.189574261111105

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	90 %
<b>End of Day</b>	14:45	64 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image regular crew of 11 hand pulling perennial pepperweed in DG-4A/DG-4 south of the boulder 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, RCPA, CACG, HOFI, WCSP, RSHA, CALT, MALL, AMCO, KILL, AMCR, MALL, ACWO, BEKI, WREN, NOFL, ANHU, BGGN, OATI, LEGO, CASJ, Neotoma sp., CAKI, RNDU, AMPI, MODO, LESA, DEJU, WEBL, OCWA, California ground squirrel, western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, had a brief tailgate meeting while crew gathered tools etc.

0655: WEEP trained a new employee.

0720: Monitored vegetation clearing in DG-4A near the now-inactive YEWA\_3 nest. Crew was finishing up by the time I arrived and we began moving people north to work on an area of thick pepperweed resprouts adjacent to a planted area. Crew continued attempting to remove as much of the root as is possible.

0900: Flagged off a large in-ground hornet nest. Surveyed southern area of site for more work.

0920: Found an active coyote den at the edge of the slope (had numerous recent footprints outside), put the location into collector and advised crew to avoid. ICF/Gothic happened to be working nearby on the slope so I alerted them as well.

0935: Resumed monitoring vegetation clearing.

1000: Assigned a few crew members to work on cutting back eucalyptus resprouts in DG-4A. They used a machete and snips.

1430: Crew began wrapping up pulling I inspected the site.

**Additional Comments**

There was an anti vaccine protest occurring outside of the site today at the intersection of Oak Grove Dr and Foothill Blvd.

Signature





**photo\_1-pre\_weeding\_DG-4\_facingEast.jpg**  
-118.1755731388889 34.190305925



**photo\_2-post\_weeding\_DG-4\_facingEast.jpg**  
-118.1755442777779 34.1902681388888





photo\_3-pre\_eucalyptus\_cutting\_DG-4A\_facingWest.jpg  
-118.17539311111112 34.19055176111111



photo\_4-post\_eucalyptus\_cutting\_DG-4A\_facingWest.jpg  
-118.17540633333334 34.19046084166666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	54 °F	4-6 MPH	40 %
<b>End of Day</b>	14:45	65 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CACG, CCGO, MALL, CALT, CATH, ANHU, AMCR, LCPA, RCPA, NOFL, RCKI, HOFI, YRWA, RSHA, HUVI, TOWA, SOSP

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock.

0800: Stillwater biologists alerts ICF bio of a potentially active coyote burrow nearby and a nearby hornets nest.

0900: Crew takes a break.

0915: Crew returns to work on the side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1430: Crew ends work for the day. Approximately .75 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_SideslopeWest\_facingWest.jpg**  
-118.1763335555556 34.1886890277778

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51 °F	0-3 MPH	80 %
<b>End of Day</b>	14:25	64 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 19 hand pulling perennial pepperweed using trowels in DG-4 and DG-4A, 2 of whom were fixing/running irrigation elsewhere on 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:**

RCPA, ACWO, NUWO, CORA, WEBL, YRWA, CALT, NUWO, HOFI, CASJ, CCGO, CASJ, MALL, WREN, RNDU, KILL, RTHA, ANHU, AMCR, HETH, NOFL, LASP, WCSP, CAKI, DEJU, CATH, Western fence lizard, BUSH, LEGO, California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEEP trained 2 new labor finders crew members.

0710: Monitored vegetation clearing in DG-4A and DG-4. Crew was beginning to edge into the planted area at the far north end of the second open field (SW of the boulder field). Area was a Salix woodland alliance, the primary target was perennial pepperweed growing between plants with a few infestations of Ambrosia artemisiaefolia.

0900: relocated a western fence lizard.

1130: Crew relocated to a different clearing (west of primrose area) and began working there. Noted a high density of seedlings (at cotyledon level) in area. Many were not yet identifiable but found Oenothera elata, 2 Phacelia sp., and numerous weeds (Raphanus, poison hemlock, pepperweed etc). Showed crew what they looked like and advised them to focus on pulling established weeds to avoid confusion. Told crew not to walk on several areas which were thick with seedlings.

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weed\_removal\_DG-4\_facingNorthWest.jpg**  
-118.1756890555556 34.19060902777775



**photo\_2-post\_weed\_removal\_DG-4\_facingNorthWest.jpg**  
-118.1754886388889 34.19064442499995



**photo\_3-pre\_detail\_work\_facingNorth.jpg**  
-118.17654854166668 34.18978540555554



**photo\_4-post\_detail\_work\_facingNorth.jpg**  
-118.17652602777778 34.18979854166666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	18:30	48 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	72 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CACG, CCGO, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, RCKI, HOFI, YRWA, TOWA, SOSP, SPTO, BGGN, WBNU, SAPH, AMPI, WESA, KILL, RSHA, LEGO

Reptiles: Western fence lizard, side blotch lizard, coastal whiptail.

Mammals: California ground squirrel, fox squirrel, coyote.

Amphibians: Western toad

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0645: Begin safety tailgate/natural resources meeting.

0650: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock, pepper weed, and Russian thistle.

0845: Crew takes a break.

0900: Crew returns to work on western side slopes.

1120: Observed a juvenile coastal whiptail on western side slopes. Observed in binoculars for approximately a minute until he disappeared into a small burrow. Two other similar sized burrows were observed approximately 1-2 ft away.

Biologist flagged off a 5 square foot buffer around the burrows to avoid impacts.

1200: Crew breaks for lunch.

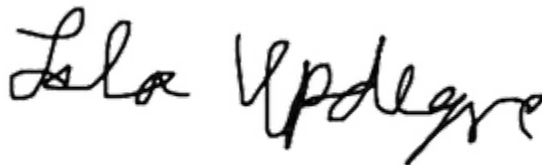
1230: Crew returns to work on side slopes.

1445: Crew ends work for the day. Approx 0.75 acres cleared today.

**Additional Comments**

Observed sensitive species: coastal whiptail. Species not available to select in sensitive species column in form.

**Signature**





**Invasive\_species\_removal\_SideslopeWest\_facingNorth.jpg**  
-118.1768187222222 34.18800118611111



**Coastal\_whiptail\_buffer\_SideslopeWest\_facingNorthWest.jpg**  
-118.17687447222222 34.188210325



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: November 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand-pulling on west side, Daniel Holmes forman.

**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, YRWA, RCPA, CORA, AMCR, BEWR, RCKI, HUVI, HOFI, MALL, CANG, KILL, LEGO, ANHU, CASJ, OATI, NUWO, NOFL, COHA, CAQU, pacific treefrog, deer tracks, BGGN.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew grabs tools, heads south along main road to 'primrose' area. Mostly working under canopy (DG-4), some work out in the open which is DG-4A. Mainly pulling pepperweed sprouts but there are new annual sprouts coming up from recent rain such as mustards, grasses, hemlock, cheeseweed. After lunch crew is in same area heading south. Pepperweed patches require removing some of the leaf litter which is good wildlife habitat, so it should be done sparingly (I suggested that to Daniel). Perhaps crew could do more manual pulling instead of using tools.

**Additional Comments**

N/A

**Signature**





photo\_1\_before\_hand-pulling\_DG-4\_facingSouthWest.jpg



photo\_2\_after\_hand-pulling\_DG-4\_facingSouthWest.jpg

-118.17667887500001 34.18947521111111



photo\_3\_before\_hand-pulling\_DG-4\_facingSouthEast.jpg  
-118.17682304444445 34.18935731944444



photo\_4\_before\_hand-pulling\_DG-4\_facingSouthWest.jpg  
-118.17680008333333 34.18931859444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	53 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, BEWR, CACG, CANG, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, HOFI, YRWA, TOWA, BGGN, BLPH, AMPI, WESA, KILL, CASJ, RTHA  
Reptiles: Western fence lizard, side blotch lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0650: Begin safety tailgate/natural resources meeting.

0700: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock, pepper weed, and Russian thistle.

0900: Crew takes a break.

0915: Crew moves vehicles to northern parking lot to work on DG-1. Main target species include mustard, non-native grasses, and tree tobacco.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1

1445: Crew ends work for the day. Approximately 2.5 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_SideslopeWest\_facingNorthWest.jpg**  
-118.17598395277778 34.18895591666664



**Invasive\_species\_removal\_DG-1\_facingNorth.jpg**  
-118.16808028611112 34.19936255555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Company: Stillwater**  
**Date of Log: November 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	14:40	79 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 17 hand pulling assorted nonnative plants in DG-4 and DG-4A, 2 of whom were sent to do irrigation checks for the greater part of the day.

**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, RCPA, BUSH, OATI, AMCR, EUST, RCKI, CASJ, WEBL, BLPH, KILL, CATH, NOFL, RSHA, SAPH, SOSP, LEGO, CAQU, BEWR, BNST, WESA, OCWA, DEJU, California ground squirrel, Desert cottontail, Common side blotched lizard, Western fence lizard, Western toad, Raccoon (skull).

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with foremen discussing the plan for the day while crew gathered tools etc.

0655: Monitored vegetation clearing in the southernmost clearing of DG-4A and adjacent parts of DG-4. Area was a pepperweed monoculture flanked by Fraxinus/Salix woodland. Lower canopy plants were mostly pepperweed, but occasional Calystegia macrocarpa was observed, a plant which I had to teach the crew. Upper canopy dominated by Passion flower. Roughly half the crew worked in open areas while half the crew worked in the woodland.

0945: Found a raccoon skull in the dense brush.

1200: Crew was by now almost all working in the woodland directly west of the clearing and along the perimeter trail. Area had some dwarf nettle and numerous bromes (still only an inch or so high), told crew to hold off on brome removal for now.

1300: Surveyed surrounding areas with foremen Daniel Holmes and Didier Ramos looking for new potential targets.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





**photo\_1-pre\_pepperweed\_removal\_FacingEast.jpg**  
-118.17717338888889 34.18917209722222



**photo\_2-Post\_pepperweed\_removal\_FacingEast.jpg**  
-118.17720354166667 34.18914886111111



**photo\_3-pre\_pepperweed\_removal\_FacingWest.jpg**  
-118.17737843055556 34.189114805555555



**photo\_4-post\_pepperweed\_removal\_FacingWest.jpg**  
-118.17740675 34.189156833333333



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 4, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	0 %
<b>End of Day</b>	14:50	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, HOFI, YRWA, BLPH, WESA, KILL, CASJ, BNST, MERL, RNDU, HOWR, RTHA

Reptiles: Western fence lizard

Mammals: Pocket gopher

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work on DG-1. Main target species include: mustard, non-native grasses, tree tobacco and star thistle.

0830: Biologist observes a Merlin feeding perched in a cottonwood tree near Johnson Field.

0900: Crew takes a break.

0915: Crew returns to work on DG-1.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1

1410: Biologist finds a pitfall trap with 3 dead toad remains and a live western fence lizard and a live beetle. The lizard and beetle were rescued. The crew will destroy the trap tomorrow when they have the right tools.

1445: Crew ends work for the day. Approximately 2.3 acres cleared today.

**Additional Comments**

N/A

**Signature**





Invasive\_species\_removal\_DG-1\_facingS.jpg  
-118.16872573055556 34.19558994444444



**Pitfall\_trap\_before\_destruction.jpg**  
-118.16933916944446 34.1953635

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	79 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 16 hand pulling assorted nonnative plants 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, desert cottontail, CALT, RCPA, OATI, BEWR, DEJU, OCWA, LEGO, MOCH, AMCR, CORA, YRWA, MODO, HOFI, ANHU, EUST, ACWO, RCKI, MALL, WESP, WCSP, KILL, WTSW, SOSPO, PUFU, CASJ, CAQU, WREN, BGGN, Western toad, NOFL, CAKI, California ground squirrel, SAPH, fox squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with foremen to go over the plan for the day. The Orange County crew (6) was going to work on the far south side of the site near the Edison access road and the regular crew (10) was continuing work in the area adjacent to the perimeter trail south of the last major clearing, planning to meet up with the OC crew upon finishing up. All work done today was in DG-4.

0655: Monitored vegetation clearing with the regular crew. They were working through a Salix woodland adjacent to the southernmost clearing. Area was thick with twigs from dormant and/or dead willows and Neotoma middens, and they were targeting perennial pepperweed. Instructed crew to not go for any weeds that required excessive snapping of twigs to get to, and reminded everyone of our policy of avoiding pulling weeds rooted in or next to middens.

0800: Monitored vegetation clearing with the OC crew. They were working in a fairly open planted area removing pepperweed and Rumex crispus growing between container plants. Area between plants heavily colonized by native Heliotropium curassavicum.

0900: Went back to monitoring regular crew; switched between them at ~30 minute intervals for rest of work day.

1130: Regular crew had moved slightly east to focus efforts on a patch of Stipa milaceae in an open Salix woodland. OC crew continued at the far southern end.

1200: Member of the public alerted me that the irrigation at the far western side of the park (not our restoration area) in the oak woodland near the south bathrooms has not been functional for some time.

1320: Foreman Daniel Holmes and I had a meeting with new crew members about Yellowjacket safety, showed them the large in-ground Yellowjacket nest to be certain that everyone knew to avoid it.

1400: Both crews wrapped up for the day to focus on microline checks and I inspected the site/picked up trash etc.

**Additional Comments**

N/A

**Signature**

Handwritten scribbles or marks, possibly initials or a signature, located at the top of the page.



photo\_1-pre\_weeding\_DG-4\_facingWest.jpg  
-118.17714437222223 34.18928769444444



**photo\_2-post\_weeding\_DG-4\_facingWest.jpg**  
-118.17709338888889 34.18927173611111



**photo\_3-pre\_weeding\_DG-4\_facingNorth.jpg**  
-118.17725369444445 34.18671876666665



photo\_4-post\_weeding\_DG-4\_facingNorth.jpg  
-118.17725236111112 34.18669406666666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter, Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 5, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	59 °F	0-3 MPH	0 %
<b>End of Day</b>	11:30	77 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 8 plus Scott Rose crew lead

**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, BUTU, NUWO, CALT, MODO, CASJ, NOMO, MODO, YRWA, MALL, NOFL, CAKI, CORA, ANHU Rattlesnake  
Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0700: Safety meeting with crew.

0715: Crew begins work on DG-1. Crew targets tree tobacco, non-native grasses, mustard

0900 crew breaks


0915 crew returns to work in DG-1

1100 crew finishes work for the day

**Additional Comments**

Crew left early for drive back to Las Vegas.

**Signature**







Invasive\_species\_removal\_DG-1\_facingWest.jpg  
-118.16929141666667 34.19524833333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	100 %
<b>End of Day</b>	14:39	70 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed in DG-4A, 2 crew members were assigned to running and repairing irrigation.

**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, MODO, CALT, AMCR, CANG, WCSP, MALL, SOSp, CAQU, YRWA, CASJ, OATI, ACWO, BEWR, RCKI, RCPA, EUST, WREN, NOFL, PUFi, KILL, WESA, AMPI, DCCO, DEJU, WEBL, BUSH, WEME, SAPH, NUWO, WAVI, LEGO, SPTO, CORA, RSHA, fox squirrel, Gambusia sp. (mosquitofish), BLPH, BCHU, STJA, LISP, DOWO, CAKI, RTHA, SAVS, ANHU, BGGN, California ground squirrel, NOMO, AMKE, CATH, HUVI, LASP, western fence lizard, AMCO, RNDU, ROPI, common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Brief tailgate meeting with crew regarding the plan for the day while they set up and gathered tools.

0655: Monitored vegetation clearing along the southernmost border of DG-4A and the basin slope. Area was mostly open, contained lots of pepperweed and only a few annual natives (Ambrosia acanthicarpa, Mulefat, Lupinus succulentus).

0800: Surveyed surrounding areas for potential targets and wildlife.

0845: Resumed monitoring vegetation clearing after break.

0950: Found a part of the slope near the end of the truck trail which had been eroded by recent rains. Inspected it with foreman Didier Ramos. Observed mosquitofish in reservoir.

1230: Found a large irrigation leak in the DG-4 sheetflow area, a crew member was sent to fix it.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weed\_removal\_DG-4A\_facingWest.jpg**  
-118.17643536111112 34.18891847222222



**photo\_2-post\_weed\_removal\_DG-4A\_facingWest.jpg**  
-118.17665622222222 34.18869853888886



photo\_3-pre\_weed\_removal\_DG-4A\_facingWest.jpg  
-118.17579773611112 34.189408647222216



photo\_4-post\_weed\_removal\_DG-4A\_facingWest.jpg  
-118.17578808333334 34.189368694444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	50 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	70 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools/1 line trimmer.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, ANHU, AMCR, LCPA, YRWA, BLPH, CASJ, MERL, CAKI, NOFL, NUWO, CATH, CAQU, MAKE, RTHA, KILL, SAPH

Reptiles: Western fence lizard, coastal whiptail

Mammals: Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0700: Begin safety tailgate/natural resources meeting.

0710: Crew begins work on DG-1. Main target species include: mustard, non-native grasses, tree tobacco and star thistle.

0720: Biologist observes a Merlin flying in DG-1.

0900: Crew takes a break.

0915: Crew returns to work on DG-1.

0940: Biologist observes a coyote being chased by an unleashed dog.

1100: Crew finds dead YRWA under California buckwheat. Death appears natural and not caused by the crew.

1120: Biologist identifies one juvenile coastal whiptail located in DG-7.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1.

1430: Crew ends work for the day. Approximately 1 acre cleared.

**Additional Comments**

Sensitive species observed: Coastal whiptail (not a selection option in form). Second photo is not allowing me to rename with descriptive captions. The following caption applies to the photo: Invasive\_species\_removal\_DG-1\_facingS

**Signature**

Lela Upson



Dead\_YRWA\_DG-1.jpg

-118.17025171666667 34.19442707222222



**Invasive\_species\_removal\_DG-1\_facingSouth.jpg**  
-118.170285125 34.19442358333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	40 %
<b>End of Day</b>	14:45	68 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 15 hand pulling perennial pepperweed and smiling grass, 2 of whom were running and fixing irrigation elsewhere 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:**

AMCR, RCPA, MODO, NUWO, ACWO, CASJ, CALT, WREN, BGGN, MALL, CANG, WCSP, EUST, OATI, STJA, CORA, BEWR, SOSP, RCKI, ANHU, HOFI, NUWO, LEGO, SAPH, BUSH, WTSW, BUFF, KILL, unknown gull, California ground squirrel, western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Brief tailgate meeting with crew while they gathered tools etc.

0655: Monitored vegetation clearing in DG-4 against the eastern border of our site near the southern corner. Crew primarily worked on pulling dried perennial pepperweed plants which had previously been inaccessible due to the ESA fencing. Most had not yet dropped all seed, so crew was advised to use caution in handling them to minimize seed spread. Area was a thick Salix woodland with a dense understory of snags, Mugwort and occasional blackberry. Near the edges, there were some patches of pepperweed cotyledons covering large swaths of understory, 2 crew members worked on removing what they could to minimize new growth.

1130: Brief site visit from Mitch O'Farr of Natures Image.

1200: Surveyed nearby areas with foreman Daniel Holmes to discuss potential work.

1300: Crew was moving westward removing Stipa milacea by digging out the root complexes.

1430: Crew began wrapping up pulling while I inspected the site and discussed plan for tomorrow with foremen.

**Additional Comments**

N/A

Signature







photo\_1-pre\_vegetation\_removal\_DG-4\_facingWest.jpg  
-118.17699647222223 34.18802884444444



photo\_2-post\_vegetation\_removal\_DG-4\_facingWest.jpg  
-118.17700619444444 34.18803783333333



photo\_3-pepperweed\_cotyledons\_DG-4\_facingSouth.jpg  
-118.17700776111111 34.188057425

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: November 9, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	90 %
<b>End of Day</b>	14:30	70 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species clearing, irrigation maintenance
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of seven plus Scott Rose crew lead

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

CANG, HOFI, GREG, CORA, MODO, NOMO, Parrot sp., NOFL, MERL, SCJA, CAKI, NUWO, CALT, YRWA, ACWO, SPTO, COYE, HUVI, AMKE, BUSH, WCSP, RTHA, MALL, TRES, Western fence lizard, California ground squirrel, cottontail

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 targeting mustard sprouts, poison hemlock, non-native grasses.

0800: Observed Merlin perched on wooden pole on east side of east before diving down into mulefat scrub.

0900: Crew breaks.

0915: Crew returns to work in DG-1 and Johnson Field.

1045: Crew of five begins work in DG-8 removing invasive plants.

1200: Crew breaks for lunch.

1200ish: Crew returns to work in DG-8 and Johnson Field.

1430: Crew finishes work for the day.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-1\_facingNorthEast.jpg**  
-118.17066904444445 34.19406641666665



**Invasive\_species\_removal\_DG-8\_facingSouthWest.jpg**  
-118.17105533333334 34.193363999999995



Irrigation\_maintenance\_Johnson\_Field\_facingNorthWest.jpg  
-118.1717090277778 34.1916218888888

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: November 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	54 °F	0-3 MPH	10 %
<b>End of Day</b>	14:30	81 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal, irrigation maintenance
2. Hand pulling/hand tools, weed whacker
3. Gothic Landscaping, crew of seven

**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, NOFL, AMKE, MOD0, CASJ, HOFI, MERL, ACWO, SPTO, CALT, BUSH, CAGO, MALL, SOSP, NOMO, RTHA, HUVI, YRWA, ACWO, TUVU, BLPH Coyote, California ground squirrel, California toad

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins irrigation maintenance work in Johnson Field and invasive species removal in DG-2 and Johnson Field targeting mustard, pepper weed, and non-native grasses.

0720: Observed Merlin perched in sycamore tree north of Johnson Field before flying into trees on the slope to the east.

0900: Crew breaks.

0915: Crew returns to work in DG-2 and Johnson Field.

0955: Observed Merlin fly into mulefat shrub in DG-2 on the northwest edge of Johnson Field before flying away to the west.

1200: Crew breaks for lunch.

1230: Crew returns from lunch and continues work in DG-2 and Johnson Field.

1430: Crew finishes work for the day.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-2\_facingSouth.jpg**  
-118.17155376666668 34.19250649999999



**Irrigation\_maintenance\_Johnson\_Field\_facingEast.jpg**  
-118.17173809722223 34.19163098611111



Invasive\_species\_removal\_Johnson\_Field\_facingNorth.jpg  
-118.17197264444445 34.19207494444444



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: November 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	5 %
<b>End of Day</b>	15:15	73 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 and DG4A (Primrose Field) Hand tools, tarps, rakes. Ten crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

**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, ACWO, DOWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, COHA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, BGGN, CAKI, NOFL, CAQU, EUCD, WREN, SPTO, HOFI, OATI, coyote, CANG, DEJU, MALL, RCKI, NUWO, LEGO, ANHU

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

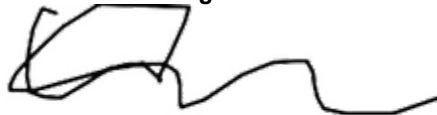
0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Initially Daniel and Didier wanted to weed in the primrose field (DG4 and DG4A, however, no primrose (*Oenothera elata*) were observed here. They are perennial so it would seem we would see at least one individual. It is unknown, maybe lack of water, why they are not present. Because of this, Daniel/Didier, decided to change the plan and move the crew further in, away from the primrose zone, to avoid disturbing a potential seed bed. The moved further east from this field. Using hand tools and hands crews removed mostly sprout stage perennial pepper weed. Very minimal amount of work is occurring. Looked thru tarped piles of removed plant to ensure crews were removing correct species.

1200: Similar activities took place after lunch.

1515: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Signature





**Vegetation\_clearing\_before\_facingNorth.jpg**  
-118.1761728888889 34.1896079166667



**Vegetation\_clear\_during\_facingNorth.jpg**  
-118.17613497222223 34.1896254722222



**Vegetation\_clear\_during\_facingSouth.jpg**  
-118.1759616000001 34.189579591666664



**Vegetation\_clear\_After\_facingNorthWest.jpg**  
-118.176063 34.189599763888886

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	63 °F	4-6 MPH	0 %
<b>End of Day</b>	14:30	83 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 hand pulling perennial pepperweed and poison hemlock in DG-4 and DG-4A. 1 person was assigned to run and check irrigation for most of the day.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

MALL, AMCR, CASJ, PUF1, WCSP, MODO, ANHU, CALT, ACWO, NOFL, OCWA, WEBL, COHA, KILL, SAPH, CAKI, Western fence lizard, Western toad.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site and had a brief tailboard meeting with the crew about the plan for the day.

0655: Monitored vegetation clearing in DG-4, east of the primrose field. Area was a Salix woodland with a monoculture of dried poison hemlock in the understory. Area had previously been inaccessible due to thick vegetation but a downed snag made it possible to reach. 4 crew members were working nearby in DG-4 and DG-4A removing seedlings. Flagged off a few unknowns still in the cotyledon stage so the crew would avoid them. Noted that the reservoir is now empty of water.

0730: Found a few Woodrat middens, advised crew to avoid them.

1300: Surveyed surrounding areas for weed growth.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_DG-4\_weed\_removal\_facingNorth.jpg  
-118.1765715000001 34.18976885



photo\_2-after\_DG-4\_weed\_removal\_facingNorth.jpg  
-118.1766123333334 34.1897844722222



photo\_3-crew\_removing\_seedlings\_facingNorth.jpg  
-118.1759771388889 34.1899942694444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 11, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	60 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	87 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, ALHU, AMCR, LCPA, YRWA, BLPH, CASJ, MERL, NOFL, MAKE, RTHA, ACWO, BEWR, RCKI, SAPH, BUSH, AMCR

Reptiles: Western fence lizard, coastal whiptail

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0650: Begin safety tailgate/natural resources meeting.

0700: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1020: Biologist observes Merlin in Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1315: Biologist observes juvenile coastal whiptail on northeast side of Johnson Field.

1445: Crew stops work for the day. Approximately 0.5 acres cleared today.

**Additional Comments**

Observed sensitive species: Coastal whiptail. Not a selection option in form.

**Signature**





**Invasive\_species\_removal\_JohnsonField\_facingWest.jpg**  
-118.17129681944445 34.19174197222222



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	70 °F	4-6 MPH	0 %
<b>End of Day</b>	14:25	90 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling perennial pepperweed, chenopodium and smilo grass in sections of DG-4 bordering the clearing which is south of DG-5.

**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, CASJ, CALT, NUWO, ANHU, HOFI, WCSP, BEWR, CAKI, WREN, YRWA, SPTO, MODO, LEGO, ACWO, LASP, WEBL, BUSH, HUVI, AMKE, RTHA, SAPH, PUF1, California ground squirrel, Fox squirrel, Western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew members gathered tools etc.

0655: Monitored vegetation clearing in DG-4. Primary target was perennial pepperweed and Chenopodium sp. area was a Salix woodland with a dense understory of usual weed targets with scattered Mugwort. There were numerous nearby Woodrat middens, crew had been informed the day prior to avoid them.

0800: Found a large poison oak thicket which was leafless. Advised crew to avoid. Talked to crew about how to recognize the bare branches.

0900: Higher than usual heat for the past few weeks at this time; very little bird activity.

1130: Moved crew to a nearby section of DG-4 which was overgrown with Stipa mellifera (smilo grass). Talked to crew about recognizing it (so they did not start hand pulling bromes) and explained that to kill this grass you had to remove the whole root ball. Monitored this activity.

1300: Took bi-weekly photo points of restoration areas.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_removal\_DG-4\_facingNorth.jpg**  
-118.17699108333333 34.18922267777778



**photo\_2-post\_vegetation\_removal\_DG-4\_facingNorth.jpg**  
-118.17700219444446 34.189139427777775



**photo\_3-pre\_vegetation\_removal\_DG-4\_facingWest.jpg**  
-118.17664861111112 34.19000854722222



**photo\_4-post\_vegetation\_removal\_DG-4\_facingWest.jpg**  
-118.17665484444444 34.18996702777776

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 12, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	60 °F	0-3 MPH	0 %
<b>End of Day</b>	12:40	89 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, LCPA, YRWA, CASJ, SSHA, HOFI, SPTO, GREG, KILL, WREN, CATH, RTHA, HETH, NOFL  
ACWO, BEWR

Reptiles: Western fence lizard Mammals: California ground squirrel.

Amphibians: Western toad.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0650: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0840: Biologist finds dead YRWA in Johnson Field. The carcass appears to be at least a few days old and appears to have died of natural causes.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1230: Crew completes work for the day. Approximately 0.5 acres cleared.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_JohnsonField\_facingNorth.jpg**  
-118.1714442055556 34.1913610722222



**YRWA\_mortality\_JohnsonField.jpg**  
-118.1713108277779 34.1912930972222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	64 °F	0-3 MPH	0 %
<b>End of Day</b>	14:55	82 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling assorted nonnative plants in DG-4A, 1 of whom was working on irrigation for most of the day elsewhere.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

PUFI, CALT, RCPA, OATI, WEBL, BUSH, NOFL, BEWR, WCSP, YRWA, ANHU, AMCR, ACWO, DEJU, LASP, MODO, WREN, ALHU, CASJ, CATH, CORA, NUWO, SPTO, RSHA, RTHA, Neotoma sp., western fence lizard, common side blotched lizard, California ground squirrel, fox squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Gathered crew for tailboard meeting, crew gathered tools etc.

0650: WEEP trained a new employee.

0710: Monitored vegetation clearing in DG-4A. Crew was working in an open area (the "primrose" field) primarily covered with seedlings of perennial pepperweed, Rumex crispus, Malva parviflora, and poison hemlock. Crew scraped and/or dug these out depending on size. Started by extensively flagging seedlings of native plants (Phacelia spp., Xanthium strumarium, a few Oenothera elata) and advising crew to avoid natives while teaching crew members to recognize them. Periodically checked in with crew to ensure they were removing the correct plants.

0830: Surveyed channels/mining pit for weed growth. More mesic pockets throughout the site are thick with seedlings, basal diameters roughly 4-6 inches.

0900: Checked in with a crew member assigned to irrigation. There are still very frequent instances of coyotes chewing through lines, thus requiring frequent and thorough irrigation checks. Noted a dead Woodrat near mining pit-likely the result of a bird of prey.

0915: Resumed monitoring vegetation clearing.

1200: Crew was moving west towards the perimeter trail near the unofficial road at the end of DG-4A. Flagged area again for natives. Sent 3 of the more experienced crew members into a planted section of DG-4 which was too high in natives to realistically flag them all. Had another brief meeting about plant ID with them. Continued to frequently check in with crew.

1440: Crew began wrapping up pulling while I inspected the site. Flags were left in place overnight, crew is planning to resume in the same area.

**Additional Comments**

N/A

**Signature**

M. H. H.



photo\_1-pre\_vegetation\_removal\_DG-4A\_facingNorthWest.jpg  
-118.17685561111112 34.18971443611111



photo\_2-post\_vegetation\_removal\_DG-4A\_facingNorthWest.jpg  
-118.17688091666668 34.18974036944444



photo\_3-pre\_vegetation\_removal\_DG-4\_facingNorthWest.jpg  
-118.17662038888889 34.18961502777776





photo\_4-post\_vegetation\_removal\_DG-4A\_facingNorthWest.jpg  
-118.17655894444445 34.189669277777774

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	62 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	85 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead and Scott Rose as project manager.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, YRWA, CASJ, HOFI, SPTO, CATH, ACWO, OATI, RCKI, BGGN, ALHU, CALT, SAPH

Reptiles: Western fence lizard

Mammals: California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting. Biologist gives WEAP training to two new crew members.

0715: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

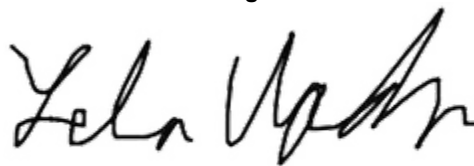
1230: Crew returns to work on Johnson Field.

1445: Crew completes work for the day. Approximately 0.5 acres cleared.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_JohnsonField\_facingEast.jpg**  
-118.1717718888889 34.1912289444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	72 °F	4-6 MPH	45 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 13 hand pulling Rumex crispus, mustard, and Cuscuta sp. in DG-W-2 mining pit and the planted area of DG-4 which is directly east of the mining pit 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:**

BUSH, CAQU, CALT, CATH, CASJ, ACWO, BEWR, ANHU, NUWO, NOFL, MODO, OATI, WCSP, SPTO, CAKI, DEJU, HOFI, desert cottontail, western fence lizard, RSHA.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0655: Monitored vegetation clearing in the northern part of DG-W-2 mining pit. Area was open, dominated by planted willows and cottonwoods (most under 6 feet) and Xanthium strumarium. Crew was working in and around planting basins to remove Rumex crispus seedlings, along with perennial pepperweed and poison hemlock. Area was extensively flagged off for native seedlings, the most common of which were Phacelia spp. and Escholtzia californica.

0700: Broke 4 crew members off to work on removing Cuscuta sp. from container plants in the planted area of DG-4 directly east of the mining pit outlet channel.

1315: Surveyed nearby areas for weed growth.

1330: Weeding crew wrapped up; half went to work on Cuscuta removal while half worked on cleaning up the trailer.

1420: Crew began wrapping up while I inspected the site for trash etc.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weeding\_mining\_pit\_facingNorth.jpg**  
-118.17402015277779 34.19355616666666



**photo\_2-post\_weeding\_mining\_pit\_facingNorth.jpg**  
-118.17402804722222 34.19356847222222



**photo\_3-pre\_Cuscuta\_removal\_facingEast.jpg**  
-118.17449052777778 34.19157080555555



**photo\_4-post\_Cuscuta\_removal\_facingEast.jpg**  
-118.17451444444445 34.19154361944444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	55 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	71 °F	4-6 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, YRWA, CASJ, HOFI, CATH, BGGN, ALHU, CALT, SAPH, NOMO

Reptiles: Western fence lizard

Mammals: Pocket gopher.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on DG-2. Main target species include: non-native grasses, pepper weed, erodium and carex.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1445: Crew completes work for the day. Approximately 3.5 acres cleared.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-2\_facingSouth.jpg**  
-118.17225874166667 34.18998808333333



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: November 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	47 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	69 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 working on west side. Daniel Holmes, 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:**

AMCR, RCPA, HETH, RCKI, CASJ, ACWO, WREN, YRWA, WCSP, ANHU, NOFL, LEGO, HOFI, GREG, SPTO, CALT, BGGN, California ground squirrel, Side-blotched lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Safety meeting with crew at main dirt parking lot.

0730: Crew heads to area east of parking lot to pull canyon dodder (*Cuscuta subinclusa*) off planted willows, elderberry, mule fat, etc at DG-4 and DG-W-2 Mining Pit outlet. Weed sprouts at ground level not much of an issue so far. Many of the planted black or red willows in Mining Pit outlet and elsewhere have rust fungi (*Melampsora* sp.) infestations. Arroyo willow doesn't seem to be affected. I'm noticing that the planted/irrigated elderberries have not lost any leaves and are currently flowering and fruiting. 'Wild' elderberries in the region are currently dormant after having flowered and fruited in late spring/early summer. I didn't know they could flower in fall/winter if watered year-round. After lunch, more dodder removal.

**Additional Comments**

N/A

**Signature**





photo\_1\_hand-pulling\_dodder\_DG-W-2\_MiningPitOutlet\_facingNorthWest.JPG  
-118.1747583333334 34.19183055555555



photo\_2\_after\_hand-pulling\_dodder\_DG-W-2\_MiningPitOutlet\_facingNorthWest.jpg  
-118.17473486111112 34.19183908333333



**photo\_3\_hand-pulling\_dodder\_DG-4\_facingEast.JPG**  
-118.1741416666667 34.191647222222215



**photo\_4\_after\_hand-pulling\_dodder\_DG-4\_facingEast.jpg**  
-118.1741895277778 34.19159219444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	71 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: CORA, LCPA, WCSP, BEWR, CALT, KILL, YRWA, CASJ, HOFI, CATH, ANHU, CALT, RTHA

Reptiles: Western fence lizard

Mammals: Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on DG-2. Main target species include non-native grasses, pepper weed, hemlock, erodium and carex.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1000: Crew works on eastern side slopes removing sprouts of lamb's quarters and mustard.

1100: Crew moves to DG-2B. Crew targets pepper weed and hemlock.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2B.

1330: Crew moves to work on DG-3B and DG-3A.

1445: Crew completes work for the day. Approximately 1.7 acres cleared.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-2\_facingEast.jpg**  
-118.17306552777778 34.188413999999995



**Invasive\_species\_removal\_DG-3B\_facingSouth.jpg**  
-118.17328152777779 34.187712069444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: November 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	51 °F	0-3 MPH	15 %
<b>End of Day</b>	14:30	71 °F	0-3 MPH	25 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of nine

**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, WCSP, CALT, BUSH, YRWA, SCJA, AMKE, MODO, NOMO, ACWO, NOFL, RTHA California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0635: Safety meeting with crew.

0655: Crew begins work on DG-3A, DG-3B, and Side Slopes targeting mustard and non-native grasses.

0800: Half of crew begins work on DG-1.

0900: Crew breaks.

0915: Crew returns to work in Side Slopes and DG-1.

1200: Crew breaks for lunch.

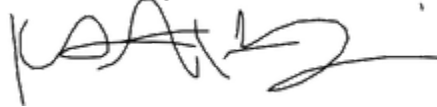
1230: Crew returns to work in DG-3A and DG-1.

1430: Crew finishes work for the day.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_Side Slopes\_facingWest.jpg**  
-118.17352225 34.18737770833333



**Invasive\_species\_removal\_DG-2\_facingWest.jpg**  
-118.17231004722223 34.19063094444444



**Invasive\_species\_removal\_DG-3A\_facingSouthEast.jpg**  
-118.17302826944444 34.18768798333333



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 18, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	52 °F	0-3 MPH	0 %
<b>End of Day</b>	14:15	70 °F	4-6 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 removing *Cuscuta* sp. from container plants in DG-4 directly east of the mining pit 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:**

WREN, BGGN, CASJ, CALT, RCPA, AMCR, BUSH, AMCR, CAQU, NOFL, WCSP, LASP, CATH, YRWA, HOFI, Desert cottontail, ANHU, NUWO, CAKI, SOS, MODO, OATI, LEGO, California ground squirrel, RCKI, VESP, RSHA, Western fence lizard, California chorus frog, BEWR, Raccoon femur bone.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting about the plan for the day with the crew while they gathered tools.

0655: Monitored removal of *Cuscuta* sp. from container plants in DG-4 directly east of the mining pit channel.

Primarily infesting *Salix* and *Sambucus*. Crew transferred pulled materials directly into plastic trash bags and were instructed to be careful with tendrils/seeds to minimize risk of spreading *Cuscuta*.

0745: Surveyed surrounding areas for new *Cuscuta* infestations.

0930: A crew member was sent out to work on running irrigation.

1130: Went to south side to scope out a potential weeding target near the Edison access road.

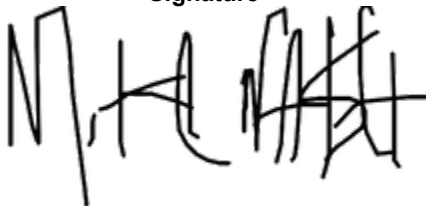
1200: Resumed monitoring *Cuscuta* Removal.

1400: Crew began wrapping up work on *Cuscuta* while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-before\_Cuscuta\_removal\_DG-4\_facingSouth.jpg  
-118.17438670555556 34.19127555555555



photo\_2-after\_Cuscuta\_removal\_DG-4\_facingSouth.jpg  
-118.17439958333334 34.1912605



photo\_3-before\_Cuscuta\_removal\_DG-4\_facingSouthWest.jpg  
-118.17433173611111 34.19157960277777



photo\_4-after\_Cuscuta\_removal\_DG-4\_facingSouthWest.jpg  
-118.17433775 34.191565849999996

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	40 %
<b>End of Day</b>	14:35	68 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 clearing vegetation in DG-4, 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:**

AMCR, CALT, EUST, CAQU, CATH, BUSH, MODO, RCPA, WREN, CASJ, COHA, CAKI, RTHA, NOFL, HOFI, Desert cottontail, Western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew set up and gathered tools.

0655: Monitored vegetation clearing at the intersection of DG-4 and DG-4 WOUS. Primary target was poison hemlock seedlings, with large patches of *Hirschfeldia incana*. Half the crew worked in a planted area, while the other half worked along the adjacent trail in more open areas. Pointed out *Phacelia* and *Escholtzia* seedlings to crew, regularly monitored what they were removing.

0800: A thick fog rolled in and remained for most of the day.

1130: 2 crew members were sent out to check microlines on the far southern end of the site.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





photo\_1-pre\_vegetation\_clearing\_facingNorthWest.jpg  
-118.17322891111111 34.19311422222222



photo\_2-post\_vegetation\_clearing\_facingNorthWest.jpg  
-118.17323984722222 34.193199138888886



**photo\_3-pre\_vegetation\_clearing\_facingWest.jpg**  
-118.1730433055557 34.1930773333333



**photo\_4-post\_vegetation\_clearing\_facingWest.jpg**  
-118.1730192444445 34.1930433777778

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 19, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	0-3 MPH	100 %
<b>End of Day</b>	12:30	68 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: CORA, LCPA, WCSP, BEWR, CALT, YRWA, CASJ, HOFI, CATH, ANHU

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0650: Crew splits up and starts work on DG-2 and the eastern side slopes near the dam. Main target species include: non-native grasses, pepper weed, poison hemlock, curly dock and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on DG-2 and eastern side slopes.

1030: Side slope crew moves to western side slopes. Crew targets pepper weed and lambs quarters.

1245: Crew ends for the day. 1 acre completed today.

**Additional Comments**

N/A

**Signature**





Invasive\_weed\_removal\_SideslopesEast\_facingNorth.jpg  
-118.17444208333333 34.18564753055555



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	61 °F	0-3 MPH	0 %
<b>End of Day</b>	14:25	81 °F	7-9 MPH	45 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 clearing vegetation in DG-4, DG-4A near the sheer flow area, several of whom were sent to run irrigation elsewhere.

**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, WBNU, OATI, ANHU, CORA, AMCR, CASJ, NUWO, RCPA, WCSP, LEGO, CATH, RCKI, ACWO, MODO, CAQU, HOFI, BGGN, RSHA, BUSH, YRWA, OCWA, California ground squirrel, California chorus frog, Western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0655: Monitored vegetation clearing in DG-4 A and DG-4 just north of the sheer flow area. Ground was covered with mustard and poison hemlock seedlings. Crew scraped them off using hand tools and was careful to avoid going too deep into the dirt and tilling it.

0730: 4 crew members sent out to run and check irrigation. Due to the shortened week, crew is trying to get ahead on watering.

0930: Discovered that the large honeybee hive in DG-4 sheetflow is now vacant. No bees coming in or out, none observed on combs.

1000: Identified *Carduus pycnocephalus* and *Urtica urens* in area where crew was working. Taught crew to identify them, told them to remove both.

1230: Surveyed nearby areas for weed growth.

1350: Observed a fence lizard sitting outside of an active beehive hunting honeybees.

1415: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_clearing\_DG-4A\_facingWest.jpg**  
-118.1757035277778 34.19161468055555



**photo\_2-post\_vegetation\_clearing\_DG-4A\_facingWest.jpg**  
-118.17570071388889 34.19163616666666



**photo\_3-pre\_vegetation\_clearing\_DG-4A\_facingSouthWest.jpg**  
-118.17597631666668 34.19168036111111



**photo\_4-post\_vegetation\_clearing\_DG-4A\_facingSouthWest.jpg**  
-118.17595068055556 34.19166620555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	20 %
<b>End of Day</b>	14:50	82 °F	0-3 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead. Scott Rose was present for the morning.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: CORA, LCPA, WCSP, CALT, CATH, KILL, YRWA, CASJ, HOFI, ANHU, RCKI, SOSP, CAQU, AMCR

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0645: Begin safety tailgate/natural resources meeting.

0720: Crew starts work on western side slopes. Main target species include: pepper weed, mustard, lambs quarters, curly dock and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1040: Side slope crew moves to western side slopes. Crew targets pepper weed, Russian thistle, mustard and lambs quarters.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes and DG-2.

1420: Crew stops work for the day. Approximately 1.75 acres cleared today.

1435: Crew meets at the gate for a daisy chain lock training.

**Additional Comments**

N/A

**Signature**





**Invasive\_weed\_removal\_SideslopeEast\_facingSouth.jpg**  
-118.173205325 34.18806266111111

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: November 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	57 °F	0-3 MPH	10 %
<b>End of Day</b>	14:20	73 °F	4-6 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 hand pulling poison hemlock and mustard using hand tools in DG-4A, 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:**

WREN, CALT, CASJ, WCSP, AMCR, RCPA, CAQU, ANHU, HOFI, coyote, SAPH, RSHA, COHA, CATH, NOFL, MODO, BEWR, PTWH, VESP, SOSP, California ground squirrel, SPTO, western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area while crew set up.

0655: Monitored vegetation clearing in DG-4A and DG-4 just north of the sheet flow area. Ground was largely covered in poison hemlock and mustard seedlings roughly 3 inches in height.

0900: A few crew members moved into the south side of DG-4 sheetflow. A clearing near the north side of DG-4 sheetflow was skipped due to high coverage with seedlings of something (yet to be identified) that looked very similar to primrose. Crew was asked to avoid stepping on them.

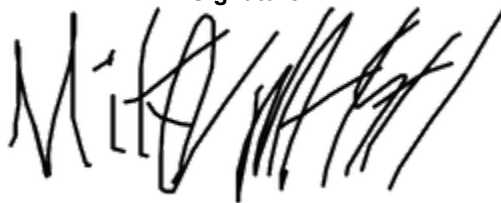
1130: Found 2 juvenile pin-tailed whydahs foraging near the soccer field on the west side.

1410: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-pre\_vegetation\_removal\_DG-4A\_facingSouth.jpg  
-118.17600319444445 34.191673055555555



photo\_2-post\_vegetation\_removal\_DG-4A\_facingSouth.jpg  
-118.17602030555555 34.19164394444444



photo\_3-pre\_vegetation\_removal\_DG-4\_sheetflow\_facingSouth.jpg  
-118.17590696111111 34.19118538888888



photo\_4-post\_vegetation\_removal\_DG-4\_sheetflow\_facingSouth.jpg  
-118.17594797222223 34.19115943333333



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	30 %
<b>End of Day</b>	14:45	71 °F	4-6 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ANHU, NOFL, RTHA, ACWO, RCKI, BUSH, SAPH

Reptiles: Western fence lizard

Mammals: Coyote, California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0640: Crew starts work on eastern side slopes and DG-2. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1000: Crew moves to work in Johnson Field targeting non-native grasses, Erodium, pepper weed, and mustard.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1430: Crew stops work for the day. Approximately .67 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Overview\_JohnsonField\_facingEast.jpg**  
-118.1719164888889 34.19208115277774

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: November 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	51 °F	0-3 MPH	3 %
<b>End of Day</b>	11:30	69 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of ten

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Parrot sp., CORA, HOFI, ACWO, SCJA, WCSP, YRWA, MODO, CALT, RTHA, NOFL, HUVI, Coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on Johnson Field, DG-2, and DG-8 targeting mustard sprouts and non-native grasses.

0900: Crew breaks.

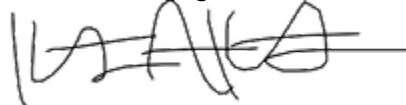
0915: Crew returns to work in Johnson Field.

1130: Crew finishes work for the day.

**Additional Comments**

Cesar made sure the crew knows that any plants removed that contain flowers, fruits, and/or seeds need to be disposed of right away and cannot be left lying around.

**Signature**





**Invasive\_species\_removal\_Johnson\_Field\_facingWest.jpg**  
-118.17191329444445 34.19196519444444



**Invasive\_species\_removal\_DG-2\_and\_DG-8\_facingSouthWest.jpg**  
-118.17110346666666 34.19329615555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: November 24, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	14:00	73 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 Hand tools, tarps, rakes. Twelve crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

**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, ACWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, EUCD, WREN, SPTO, HOFI, OATI, coyote, DEJU, RCKI, NUWO, LEGO, ANHU, CATH, AMKE

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts, and difficult to determine if primrose (*Oenothera elata*) are present amongst these. Therefore crews are only removing what they are confident are non-native. Biologist checked over areas that crews are removing. Crews avoided working in DG4 (drainage) due to a potential for primrose sprouts. They are using scrapers to remove top soils to ensure that the non-native root is fully removed. Biologist pointed out/reminded three crew members that there are native phacelia in patches of their work area. Also kindly reminded crew that if they are unsure of plant, to leave it alone and ask about it. Very minimal amount of growth it appears during the winter season.

1200 Similar activities took place after lunch. After lunch I noticed the crew was tarping leaf litter, so I notified Daniel.

1400: Bio completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

**Signature**





**Vegetation\_removal\_before\_North.jpg**  
-118.1756115277779 34.19162358333333



**Vegetation\_clear\_before\_facingWest.jpg**  
-118.1755001666667 34.191571749999994



**VegetationRemoval\_during\_facingWest.jpg**  
-118.17542987222222 34.19168558333333



**VegetationRemove\_after\_facingNorth.jpg**  
-118.17560932222223 34.19159391666666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	56 °F	0-3 MPH	0 %
<b>End of Day</b>	14:45	84 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, YRWA, CASJ, HOFI, ANHU, BUSH, ACWO, OATI, CORA, AMCR

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0650: Crew starts work on western side slopes near the dam. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on western side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1430: Crew stops work for the day. Approximately .55 acres cleared today.

**Additional Comments**

N/A

**Signature**







**Invasive\_weed\_removal\_SideslopesWest\_facingSouth.jpg**  
-118.1762927222223 34.1864485055555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Dawn Garcia**  
**Company: Stillwater**  
**Date of Log: November 29, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Ground cover clearing, hand tools;rakes, scrapers. Nature`s Image, Forman Didier

**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, COHA, RCKI, BEWR, BUSH, STJA, CSJA, SPTO, CALT, YRWA, WREN, HOFI, LEGO, EUST, ECDO, MODO, HETH, OATI, SOSP, BLPH, CAQU.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Met with Margie, WEEP training.

0700: drove to staging area DG-4, met with forman Didier and crew. Trained new Natures Image crew member WEEP

**Additional Comments**

Shadowed Margie today. Crew left to haul out weeds to dumpster @ 230, and I followed. No more monitoring duties. Finished up form.

**Signature**





**Before\_weeding\_DG4\_facingSouth.jpg**  
-118.17728269444444 34.186580899999996



**Mining\_pit\_outlet\_DGW2\_Restoration\_facingNorth.jpg**  
-118.1750626 34.19164269444444



**After\_weeding\_DG-4\_facingSouth.jpg**  
-118.1772546 34.186600199999994

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: November 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	18:30	56 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	82 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ANHU, ACWO, CORA, AMCR, AMKE, KILL, STJA

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on western side-slopes. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on western side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1250: Crew stops work for the day. Approximately 2.4 acres cleared today

**Additional Comments**

N/A

Signature





Invasive\_weed\_removal\_SideslopesWest\_facingNorthWest.jpg  
-118.17675547222223 34.1882246

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Dawn Garcia**  
**Company: Stillwater**  
**Date of Log: November 30, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	55 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Nature Image, Formen Didier and Daniel, full crew. Met Lela, biologist with ICF and Gothic crew working on berms. Hand held tools and chainsaw to remove downed and split eucalyptus. Fire extinguisher nearby. Moving north from southern end of site to remove 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:**

AMCR, YRWA, BEWR, HOFI, STJA, CSJA, RTHA, ANHU, LEGO, NUWO, SPTO, CALT, BLPH, RCKI, SOSP, WREN, DOWO, TOWA, OCWA, ACWO, NOFL, MOCH, WCSP, OATI, BEWR, EUST, CORA, HUVI, AMRO, RSHA, HETH

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Meet Didier at park, followup with monitoring same area as yesterday, DG-4 south and east to berms, and north. Check tree crevices for any signs of bats although unlikely bases on limited roost habitat. Removed downed and split standing eucalyptus per Margie and Lauren (sent photos). Lots of hauling out of tree debris and pepperweed.


1130: RSHA ptetty vocal in restoration site trees below berkshire creek.

1330: Found old COHA nest observed in riparian. Some scattered whitewash, likely roost area.

**Additional Comments**

Another hot one! Crew worked really hard hauling eucalyptus and getting rid of pepperweed. Gave tablet to Daniel to give to Mike SS.

**Signature**





**Downed\_eucalyptus\_removal\_facingNorth.jpg**  
-118.1771186 34.186825299999995



**Cleared\_ROW\_post\_eucalyptus\_pepperweed\_removal\_FacingNorth.jpg**  
-118.17710330555556 34.1865867





**Pepperweed\_and\_Primrose\_species\_in\_wash\_facingWest.jpg**  
-118.1771526 34.1881122



**Post\_eucalyptus\_removal\_facingEast.jpg**  
-118.1772693055555 34.1869197

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:00	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools and 2 line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, NOFL, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ALHU, ACWO, CORA, AMCR, BEWR, RTHA, SAPH, AMKE

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on eastern side-slopes. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1000: Crew starts work on DG-1. 2 crew members work on Johnson Field pulling mustard.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1. Johnson Field crew trims grasses with line trimmers.

1450: Crew stops work for the day. Approximately 1.7 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Crew\_invasive\_weed\_removal\_DG-1\_facingSouth.jpg**  
-118.1693801388889 34.195204999999994

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: December 1, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	84 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 (south end of west side) hand tools, tarps, rakes. Ten crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

**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, ACWO, SOSp, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, EUCD, WREN, SPTO, HOFI, OATI, DEJU, RCKI, NUWO, LEGO, ANHU, CATH, AMKE, STJA

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Several native annual sprouts have been appearing, including phacielia spp., lupine spp, galium sp. Galium was recently detected by crew. Very minimal amount of work is occurring/need it appears during the winter season.

1200: Similar activities took place after lunch. Crew worked on removing passion fruit that is completely suffocating the willows on the south west side.

1515: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

**Signature**





**VegetationClearing\_before\_facingWest.jpg**  
-118.17728580555556 34.18740047222222



**Vegetation\_clearing\_before\_facingNorthWest.jpg**  
-118.17689744444445 34.18721554166666



**Vegetation-removal\_after\_facingNorth.jpg**  
-118.17690836111112 34.187183499999996



**VegetationClearing\_after\_facingWest.jpg**  
-118.17725447222223 34.18743187222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	50 °F	0-3 MPH	5 %
<b>End of Day</b>	14:30	66 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling mustard, poison hemlock and perennial pepperweed in DG-4 and DG-4A on the southern half 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:**

CASJ, CALT, WCSP, WREN, LEGO, AMCR, HOFI, YRWA, ANHU, BUSH, NOFL, ACWO, OCWA, MODO, NUWO, OATI, desert cottontail, RSHA, BEWR, RCKI, SAPH, LASP, BLPH, CAKI, CAQU, GBHE, common side blotched lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Tailboard meeting with crew to discuss work area for the day.

0655: Monitored vegetation clearing in DG-4. Crew was just south of the large primrose clearing, working in a Salix woodland. Primary targets were mustard, poison hemlock, and perennial pepperweed, all of which were at about 4 inches in height. Flagged of native Phacelia in the area, there was almost no native coverage at ground level.

0845: 3 crew members were assigned to irrigation work. A citizen reported a leak to us on the north side, fixing this was prioritized.

1130: Crew members began moving into the adjacent patch of DG-4A along the treeline. Monitored vegetation clearing and flagged natives.

1425: Crew began wrapping up pulling I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_pulling\_DG-4\_facingWest.jpg**  
-118.1766995388889 34.18948431944444



**photo\_2-post\_vegetation\_pulling\_DG-4\_facingWest.jpg**  
-118.1766152611111 34.18952023333333





photo\_3-pre\_vegetation\_pulling\_DG-4\_facingNorth.jpg  
-118.17685484722223 34.18962770833333



photo\_4-post\_vegetation\_pulling\_DG-4\_facingNorth.jpg  
-118.17686075 34.18975038888888

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 2, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	54 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	84 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools and line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ACWO, CORA, AMCR, RTHA, SAPH, MAKE, SSHA, RCKI  
BGGN Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, and non-native grasses. Crew uses a line trimmer to trim grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1030: Some of the crew starts working on the eastern side of DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2 and Johnson Field.

1500: Crew stops work for the day. Approximately 1.2 acres cleared today.

**Additional Comments**

N/A

**Signature**





Crew\_weed\_removal\_JohnsonField\_FacingNorth.jpg  
-118.17103913888889 34.19142041666666

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	48 °F	0-3 MPH	100 %
<b>End of Day</b>	14:35	66 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 removing various nonnative plants in DG-4 and DG-4A near DG-5.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

WREN, CALT, RCKI, HUVI, AMCR, ACWO, LEGO, WCSP, NOFL, CATH, CASJ, CAQU, MODO, SPTO, BEWR, BGGN, BLPH, PSFL, WEKI, LASP, fox squirrel, California ground squirrel, western fence lizard.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, surveyed work area while crew set up.

0655: Monitored vegetation clearing near the north end of the primrose clearing, at the edge of DG-4 and DG-4A.

Area contained numerous common weeds (hemlock, mustard, pepperweed, Anagalis arvensis), but also had grass (Bromus madritensis, B. Diandrus) growing between them in many places. Assigned crew to avoid patches which were only grass and reminded everyone to attempt to keep the topsoil intact to avoid tilling. We plan to come hit the grass at a later date with weed whackers- hand tools are typically not much more effective on grass, and much slower. Numerous small patches of Phacelia were flagged off.

0800: Surveyed surrounding areas for other weed infestations. 3 crew members were sent to run the irrigation before the weekend.

1130: Took the bi-weekly photo points on the west side only.

1200: Resumed monitoring vegetation clearing.

1345: Began taking the photo points on the east side while crew was winding down.

1400: Crew finished weed removal and focused only on cleanup.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weeding\_DG-4\_facingSouthWest.jpg**  
-118.1765882500001 34.19067898888884



**photo\_2-post\_weeding\_DG-4\_facingSouthWest.jpg**  
-118.17658241666668 34.19067141666666



**photo\_3-pre\_weeding\_DG-4\_facingNorthWest.jpg**  
-118.17629119444445 34.19064388888886



**photo\_4-post\_weeding\_DG-4\_facingNorthWest.jpg**  
-118.17632975000001 34.19064455555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 3, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	08:00	55 °F	0-3 MPH	100 %
<b>End of Day</b>	13:00	70 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools and line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, CATH, BUSH, YRWA, CASJ, HOFI, ACWO, AMCR, RTHA, SAPH, MAKE, SSHA, RCKI  
NOFL

Reptiles: Western fence lizard Mammals: Pocket gopher

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0800: Arrive on site.

0815: Safety tailgate.

0825: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses. One line trimmer is used to trim grasses.

1130: Crew breaks for lunch.

1200: Crew returns to work on DG-2.

1300: Crew stops work for the day. Approximately 0.85 acres cleared today.

**Additional Comments**

Crew arrived late and left early due to an early morning mandatory harassment training.

**Signature**





**Crew\_weed\_removal\_DG-2-facingSouthEast.jpg**  
-118.17299875 34.18846776944444



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	51 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	71 °F	4-6 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCPA, WCSP, CALT, CATH, BUSH, WREN, YRWA, CASJ, HOFI, AMCR, RTHA, MAKE, BEWR, RCKI

Reptiles: Western fence lizard, side blotched lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0650: Safety tailgate.

0700: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses. Biologist give WEAP training to three new crew members.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1135: Crew works down to DG-3A.

1200: Crew breaks for lunch.

1230: Crew resumes work on DG-2.

1300: Crew starts work on DG-2B

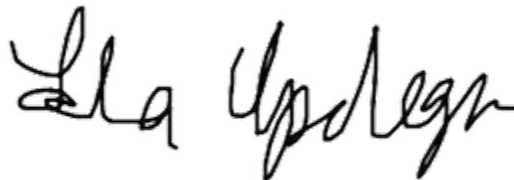
1345: Biologist observes milkweed plant with approximately five monarch caterpillars on the plant. Biologist flags off milkweed to alert crew to be extra careful around the plant.

1500: Crew stops work for the day. Approximately 0.82 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Crew\_weed\_removal\_DG-2\_facingSouthEast.jpg**  
-118.17303643611112 34.1883652777778



**Monarch\_caterpillar\_DG-2B\_facingSouth.jpg**  
-118.1725284 34.18851193333333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Dawn Garcia**  
**Company: Stillwater**  
**Date of Log: December 6, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	41 °F	0-3 MPH	10 %
<b>End of Day</b>	14:45	70 °F	0-3 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Weed pulling by Natures Image crew (8). Daniel is Forman, Didier is off today. Using hand tools, hula hoes, rakes.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Adult COHA, HOFI, LEGO, CATH (singing at dawn from restoration near dumpsters), large parrot species flyovers, AMCR, CSJA, OATI, RCKI, NOFL, ACWO, ANHU, HOWR, NUWU, STJA, PUF1, NUWO, GHOW (2), RSHA (1imm. 1 adult), NOFL, BUSH, WREN, ORJU, SPTO, CALT, WCSP, YRWA, TOWA, WCSP

**Did You Observe any Non-Compliance Issues?**  Yes  No

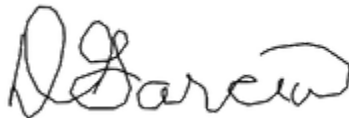
**Log Entry**

0645: Met crew at staging area. Adult COHA dove into brush pile presumably for prey. Good to watch for courtship as they may return to same nest in winter/spring. Monitoring in DG-4A today. Crew continued to work east into the more mature riparian toward the reservoir. Found 2 individual GHOW roosting separately, mid-morning and a couple of vocal and active RSHA in the restoration.

**Additional Comments**

Crew stopped pulling at 230 to walk all equipment back to staging area. The parks released some water down Berkshire creek mid-morning. there is a thick haze in the valley by the end of the day. Very clear in the morning, it descended mid-day.

**Signature**





**DG-4A\_pre-weeding\_pepperweed\_facingSouthWest.jpg**  
-118.1773724000001 34.188894899999994



**GHOW\_in\_ASHspDG4\_in\_center\_of\_photo.jpg**  
-118.1775435 34.188286299999994



**Runoff\_flowng\_down\_creek\_Parks\_facingEast.jpg**  
-118.17784561111111 34.1883078



**DG4A\_weeded\_portion\_facingSouthWest.jpg**  
-118.1773926 34.188948499999995

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updgrave**  
**Company: ICF**  
**Date of Log: December 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	50 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	60 °F	0-3 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, CATH, BUSH, WREN, NOFL, SPTO, YRWA, CASJ, HOFI, AMCR, RTHA, MAKE, RCKI

Reptiles: Side blotched lizard Amphibians: American bullfrog

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site. Someone has locked us out of the gates, so we move to northern parking lot.

0650: Safety tailgate.

0705: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, poison hemlock, Erodium, non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew resumes work on Johnson Field.

1500: Crew stops work for the day. Approximately 0.4 acres cleared today.

**Additional Comments**

N/A

**Signature**





Crew\_weed\_removal\_JohnsonField\_facingSouthEast.jpg  
-118.17209016666668 34.19138122222222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Dawn Garcia**  
**Company: Stillwater**  
**Date of Log: December 7, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	53 °F	0-3 MPH	100 %
<b>End of Day</b>	14:30	60 °F	0-3 MPH	70 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image Foreman Daniel and crew of 11. Hand tools, hoes and rakes and hand pulling. Covered good ground moving north.

**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, WREN, CALT, AMCR, BLPH, SAPH, HOFI, ORJU, SOSP, GHOW, BGGN, CATH (2 countersinging it up in the north end of the project, mining pit channel, and a pair scolding me), WCSP, KILL OATI, WCSP, LEGO, CSJA, RCKI, YRWA, BUSH, NOFL, NUWO, ACWO, CORA, EUST, MODO, large parrot species (always just flyovers) CAKI, CAQU, RSHA adult, adult RTHA overhead.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**


0630: Met with crew at footbridge. It had rained and water was flowing in creek and dampened soil and vegetation.

0700: At site. Lots of chenopodim (gooseweed) and pepperweed (lepidium) to pull. Also fair amount of native phacelia scattered around, and identified by foreman.

**Additional Comments**

N/A

**Signature**







**Post-weeding\_DG4A\_facingNorth.jpg**  
-118.1768465000001 34.188668799999995



**Pre-Weeding\_DG4A\_facingNorth.jpg**  
-118.17693290000001 34.1886308



**Example\_of\_retained\_phacelia\_post\_weeding.jpg**  
-118.1766419 34.18899280555555



**Post\_weeding\_DG4A\_piles\_of\_pulled\_Lepidium\_facingWest.jpg**  
-118.17680880555557 34.1887353

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	52 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	66 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCSP, BEWR, BGGN, WCSP, CALT, CATH, BUSH, WREN, NOFL, SPTO, YRWA, CASJ, HOFI, AMCR, RTHA, RCKI

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0705: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, poison hemlock, Erodium, non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew moves south to work on DG-2.

1500: Crew stops work for the day. Approximately 1.9 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Crew\_weed\_removal\_DG-2\_facingSouth.jpg**  
-118.1724205388889 34.191012349999994

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: December 8, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	54 °F	0-3 MPH	0 %
<b>End of Day</b>	15:15	65 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG4 (west side) Hand tools, tarps, rakes Thirteen crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

**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, SAPH, RBSA, HETH, OATI, RSHA, ACWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, AMCR, HOFI, RCKI, NUWO, LEGO, ANHU

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

6:45 Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil on some locations to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Several native annual sprouts have been appearing, including phacelia spp., lupine spp, galium sp. Galium was recently detected by crew. Also, another species was not able to be identified due to its small size so we left it alone to grow bigger.

12:00 Similar activities took place after lunch.

15:15: Bio completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Female and male RSHA perched together in tree. Courting beginning?

**Signature**





**VegetationClear\_before\_facingEast.jpg**  
-118.1764338888889 34.1895030777777



**Vegetation\_clear\_after\_facingEast.jpg**  
-118.176349 34.1894276388889



**Vegetation\_remove\_before\_facingWest.jpg**  
-118.17619283333333 34.18958334722222



**Vegetation\_remove\_after\_facingWest.jpg**  
-118.17616361111112 34.18957840833333

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	60 %
End of Day	15:00	57 °F	0-3 MPH	70 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 removing nonnative sprouts in DG-4 and DG-4A using hand tools and rakes.

**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, YRWA, WREN, AMCR, CORA, RCPA, CATH, CASJ, NOFL, LEGO, RSHA, MODO, ANHU, BEWR, BUSH, OATI, WCSP, ACWO, CALT, SPTO, STJA, CAKI, fox squirrel, DEJU, WEBL, RCKI.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Arrived on site, had a tailboard meeting with crew before walking out to the site. Parked at southern parking lot due to construction on the regular lot.

0655: Monitored vegetation clearing in DG-4 and DG-4A, in and immediately adjacent to the large clearing south of the "boulder" field. Crew started in open areas clearing mustard, poison hemlock, and perennial pepperweed sprouts.

0807: 2 adult RSHA observed following each other around/ frequently calling in DG-4, possibly courtship behavior.

0900: Went to Hahamongna nursery to inspect plants to be used for phase 3. Was joined by Margie Pfeffer. While I was gone, the crew spent time cleaning up and checking irrigation lines.

1000: Resumed monitoring vegetation clearing. Crew was finishing up the field and getting into the understory of the adjacent Salix woodland. Similar plant composition, scattered *Sisymbrium* sp., and a few native *Oenothera elata*.

Understory mostly absent of established natives except for a few mugwort.

1445: Crew started wrapping up while I inspected the site.

**Additional Comments**

N/A

Signature







**photo\_1-pre\_vegetation\_removing\_DG-4\_facingWest.jpg**  
-118.17588744444446 34.18983482777777



**photo\_2-post\_vegetation\_removing\_DG-4\_facingWest.jpg**  
-118.17591077777779 34.189866538888886



photo\_3-pre\_vegetation\_removing\_DG-4\_facingNorth.jpg  
-118.17593342777778 34.18999115277777



photo\_4-post\_vegetation\_removing\_DG-4\_facingNorth.jpg  
-118.17588932222223 34.18996373611111

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 10, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	46 °F	0-3 MPH	20 %
<b>End of Day</b>	15:00	60 °F	0-3 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools, one line trimmer.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCSP, WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, RTHA, RSHA, RCKI, BGGN, BEWR

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-2. Crew splits up with one group on the west side and one on the east side. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1430: Crew stops work for the day. Approximately 1 acre cleared today.

**Additional Comments**

N/A

**Signature**





**Crew\_line\_trimmer\_DG-2\_facingEast.jpg**  
-118.1715433666667 34.19055583333333



**Before\_hemlock\_DG-2\_facingNorthEast.JPG**  
-118.1724027777778 34.19088055555555



**After\_hemlock\_DG-2\_facingNorthEast.JPG**  
-118.17238611111111 34.190886111111105

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	46 °F	0-3 MPH	90 %
<b>End of Day</b>	14:30	52 °F	7-9 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image regular and temp crew of 12 removing mustard and poison hemlock in DG-4, DG-4 drainage 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:**

ANHU, HOFI, BLPH, AMCR, WREN, CASJ, CATH, RCPA, YRWA, NOFL, CORA, SAPH, RCPA, HETH, NUWO, LEGO, CALT, BEWR, MODO, WCSP, ACWO, Desert cottontail, OATI, RCKI, BUSH, DEJU, COHA, TUVU, RSHA.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area, DG-4 and DG-4 drainage near the now inactive YEWA\_3 nest.

0655: Monitored vegetation clearing. Primary targets were mustard and poison hemlock sprouts that were at about 3 inches in height. Warned crew about nearby poison oak.

0900: 3 crew members were moved to the planted area at the south side of the boulder field to remove mustard and sweet Clover. Monitored both crews. Some eucalyptus sprouts spotted and removed.

1000: Walked to far north side of site to survey for weeds.

1400: 3 turkey vultures circling very low about 100 feet to the south of the crew. Did not see them land/ saw no carcasses on a very brief survey.

1420: Crew began wrapping up pulling while I inspected the site. Instructed crew to spread twigs/leaves back onto cleared areas. All nonnatives tarped and removed.

**Additional Comments**

Very minimal misty precipitation on and off near end of day.

Signature





**photo\_1-pre\_vegetation\_clearing\_DG-4A\_facingNorth.jpg**  
-118.17630004166668 34.19001417777776



**photo\_2-post\_vegetation\_clearing\_DG-4A\_facingNorth.jpg**  
-118.17626397222223 34.19004085277778



**photo\_3-pre\_vegetation\_clearing\_DG-4A\_facingSouth.jpg**  
-118.17626670833334 34.1899835



**photo\_4-post\_vegetation\_clearing\_DG-4A\_facingSouth.jpg**  
-118.17626691666668 34.19004123055555



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 13, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	41 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	51 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BGGN, BEWR, PEFA

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-3A and DG-3B. Main target species include: pepper weed, mustard, lambs quarters, curly dock and non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on DG-3A and side slopes

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-3A and side slopes.

1300: Biologist observes peregrine falcon perched on power pole near dam.

1500: Crew stops work for the day. Approximately 1.2 acres cleared today.

**Additional Comments**

N/A

**Signature**





**Crew\_weed\_removal\_DG-3A\_facingSouth.JPG**  
-118.1733555555556 34.18740833333333



**Peregrine\_perched\_facingNorth.JPG**  
-118.1746527777778 34.18538888888889

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: December 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	34 °F	0-3 MPH	0 %
<b>End of Day</b>	14:30	54 °F	0-3 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 with Daniel Holmes, foreman, hand-pulling on west side of reservoir.

**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, AMCR, CATH, CASJ, RCKI, HOFI, CAGO, WREN, NOFL, ACWO, COHA, RSHA, CALT, ANHU

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Very cold morning after rainy day yesterday. Crew is starting at 'boulder' area South of main parking lot (DG-4A). Open area of mostly bare ground (patchy mule fat and Cal buckwheat), removing sprouts of pepperweed, mustards, tocalote, Erodium, Conium, possible Matricaria (pineapple weed), Italian thistle, Medicago. There appears to be a few paloverde seedlings as well (robust stem with large cotyledons and young pinnate leaves). Virtually no grasses sprouting in this area. No natives observed either. Nearby planted area has Canada horseweed (native) sprouts, but I've not seen any at this location. We are staying in this open area to catch some sunlight and warm up.

1000: Daniel and others were showing me a very small mystery sprout that could be a native sun cup but looks more like Indian plantain, Plantago arenaria (non-native), which was growing in the area last spring. I've confirmed other more likely Indian plantains and have advised to pull those.

1130: Still working in same area but getting further south and into the outlying mule fat to the east.

1300 I'm seeing some small hairy gray unidentified sprouts that resemble Chorizanthe or other Polygonaceae in a sandy patch amongst the mule fat at 34.190771°N 118.174534°W. I'm forwarding the info to Mike Walsh who will be here tomorrow and may know what was growing here last spring.

1400: Crew is done pulling and I get some photos and finish log. Long walk back to car.

**Additional Comments**

N/A

**Signature**





**photo\_1\_before\_hand-pulling\_DG-4A\_facingNorth.jpg**  
-118.17504365 34.19050647222222



**photo\_2\_after\_hand-pulling\_DG-4A\_facingNorth.jpg**  
-118.17506376666667 34.190566499999996



**photo\_3\_before\_hand-pulling\_DG-4\_facingNorthEast.jpg**  
-118.1749092888889 34.1908529027778



**photo\_4\_after\_hand-pulling\_DG-4\_facingNorthEast.jpg**  
-118.17488958333334 34.1908790972222

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: December 15, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	35 °F	0-3 MPH	15 %
<b>End of Day</b>	14:30	57 °F	0-3 MPH	35 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools, weed whacking
3. Gothic Landscaping, crew of 12

**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, AMCR, Parrot sp., BLPH, CAGO, MALL, CALT, HOFI, YRWA, ACWO, HUVI, RTHA, AMKE, BUTI, SCJA, WCSP

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0705: Crew begins work on side slopes near the dam targeting mustard sprouts and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work on side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on side slopes and begins work in DG-2B and DG-3A.

1430: Crew finishes work for the day.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_Side\_Slopes\_facingWest.jpg**  
-118.17419743611111 34.18588283333333



**Invasive\_species\_removal\_Side\_Slopes\_facingNorthEast.jpg**  
-118.17368702777779 34.18579218333333



**Invasive\_species\_removal\_DG-3A\_facingNorth.jpg**  
-118.17333586666668 34.18668899444444



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	37 °F	4-6 MPH	10 %
<b>End of Day</b>	14:30	54 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 removing mustard and poison hemlock sprouts in DG-4 and DG-4A with hand tools and rakes.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

WREN, WCSP, LEGO, CAGO, NUWO, RCPA, HOFI, CATH, PUFU, RSHA, BGGN, YRWA, NOFL, ACWO, CAKI, CALT, BEWR, western toad, RCKI, MODO, ANHU, CASJ, CAQU, RTHA, AMKE, California ground squirrel, BUSH, SPTO, OATI, CORA, PEFA, SOSP, DEJU.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed work area, DG-4 and DG-4A near the boulder field, while crew set up. 37 degrees and heavily frosted at start of day, no bird activity for first 10 minutes.

0655: Monitored vegetation clearing in the aforementioned area. Primary targets were poison hemlock and mustard, minimal natives. An unknown seedling (possibly Camissoniopsis) was flagged for avoidance.

0845: Walked the mining pit outlet channel. The low flow channel worked, and it appears that water flowed continuously from the mining pit all the way to the basin slope, where it caused significant erosion. Large piles of small woody debris scattered throughout the channel.

1140: Went to east side side to take bi-weekly photo points. Observed juvenile PEFA perched on a rock in the middle of the basin. It chased off a CORA which had been harassing it.

1420: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_weed\_pulling\_DG-4\_facingNorthWest.jpg**  
-118.17445291666667 34.19079580555555



**photo\_2-post\_weed\_pulling\_DG-4\_facingNorthWest.jpg**  
-118.17436290555555 34.1907815



photo\_3-pre\_weed\_pulling\_DG-4\_facingWest.jpg  
-118.17527700833334 34.19093333333333



photo\_4-post\_weed\_pulling\_DG-4\_facingWest.jpg  
-118.17527961111112 34.190959236111105

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: December 16, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	39 °F	0-3 MPH	10 %
<b>End of Day</b>	15:00	54 °F	0-3 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 12

**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, YRWA, SCJA, NOFL, RTHA, CALT, ACWO, AMCR, HOFI, AMKE, WEKI, MODO, California ground squirrel, coyote

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 targeting mustard sprouts, tocalote, and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work in DG-1.

1200: Crew breaks for lunch.

1230: Crew returns to work in DG-1 and Johnson Field.

1450: Crew finishes work for the day.

**Additional Comments**

N/A

**Signature**





**Invasive\_species\_removal\_DG-1\_facingNorthWest.jpg**  
-118.16797390277779 34.19923755555555



**Invasive\_species\_removal\_DG-1\_facingSouthWest.jpg**  
-118.16835024444445 34.19709538888888

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	4-6 MPH	0 %
<b>End of Day</b>	14:45	63 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 removing mustard and poison hemlock sprouts in DG-4, DG-4 sheetflow 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, CATH, AMCR, RCPA, WCSP, OATI, BLPH, CALT, CASJ, ANHU, WREN, LEGO, NOFL, BGGN, CORA, CAQU, RCKI, RTHA, YRWA, HOFI, BEWR, fox squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4, DG-4 sheetflow and DG-4A, all in the northwestern corner of the boulder field. 5 crew members were working in a planted area of DG-4 next to the boulder field, 5 were working in DG-4 sheetflow just over the hill, and the rest were finishing off the open field (DG-4A). Dominant herbaceous natives were Phacelia spp. and Camissoniopsis sp. Before beginning work, I walked the crew around to show them areas with natives and told them to avoid certain patches with high native density.

0900: Took a look at yesterday's nearby unknown sprout. Too early in development to properly use a dichotomous key, but I suspect it is water stressed Camissoniopsis. Flagged to examine at a later date when flowering.

1100: Photographed area where the channel eroded the basin. Crew had by now mostly finished the planted and open areas, most were working in DG-4 sheetflow.

1435: Crew began wrapping up pulling while I inspected the site. Reminded crew to not tarp twigs and leaf litter from native plants.

**Additional Comments**

N/A

Signature





photo\_1-crew\_weeding\_during\_DG-4\_facingNorthEast.jpg  
-118.17549436111112 34.19097958333333



photo\_2-hauling\_pulled\_vegetation\_DG-4\_facingWest.jpg  
-118.17544155555557 34.19103127777775



photo\_3-before\_clearing\_vegetation\_DG-4\_SF\_facingSouth.jpg  
-118.1756136111112 34.1912253888889



photo\_4-after\_clearing\_vegetation\_DG-4\_SF\_facingSouth.jpg  
-118.1755764166667 34.1914087222222



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kristen Klinefelter**  
**Company: ICF**  
**Date of Log: December 17, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	40 °F	0-3 MPH	5 %
<b>End of Day</b>	15:00	58 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 12

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

SCJA, AMCR, Parrot sp., WCSP, YRWA, ACWO, NOFL, HOFI, HUVI, MODO, RTHA, MAKE, California ground squirrel

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 and DG-8 targeting mustard sprouts, tocalote, and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work in DG-1 and DG-8 and starts work in DG-2 and Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work in DG-2 and Johnson Field.

1450: Crew finishes work for the day.

**Additional Comments**

NA

**Signature**





**Invasive\_species\_removal\_DG-1\_facingNorth.jpg**  
-118.17056488055556 34.193937166666664



**Invasive\_species\_removal\_DG8\_facingSouthWest.jpg**  
-118.17087951666667 34.19367822222222



Invasive\_species\_removal\_DG-2\_facingNorth.jpg  
-118.1726423333334 34.190307

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	10 %
<b>End of Day</b>	14:45	64 °F	0-3 MPH	45 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 hand pulling weeds in DG-4 sheetflow 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:**

BUSH, CALT, RCPA, BLPH, WCSP, OCWA, CORA, CATH, LEGO, RCKI, CASJ, OATI, RCKI, WBNU, CAQU, CAKI, WREN, ACWO, BEWR, NOFL, RTHA, TUVU, California ground squirrel.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4 sheetflow and DG-4. Area was mostly poison hemlock mixed in between container plants (Salix woodland alliance) and a couple scattered Cyperus erigrostris. Instructed crew to hand pull areas near basins to avoid removing Cyperus. Very cold, ground was frosted over for several hours.

1000: Surveyed nearby areas for new weed growth.

1030: Resumed monitoring vegetation clearing. Crew was making progress westward, similar vegetation composition.

1430: Crew began wrapping up pulling while I inspected the site/ walked back.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_removal\_DG-4\_SF\_facingEast.jpg**  
-118.1755393888889 34.1913853888888



**photo\_2-post\_vegetation\_removal\_DG-4\_SF\_facingEast.jpg**  
-118.17548693055556 34.1914024722222



photo\_3-pre\_vegetation\_removal\_DG-4\_SF\_facingWest.jpg  
-118.1759228888889 34.191244



photo\_4-post\_vegetation\_removal\_DG-4\_SF\_facingWest.jpg  
-118.17595779166668 34.19116444444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 20, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	41 °F	0-3 MPH	30 %
<b>End of Day</b>	15:00	61 °F	0-3 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR

Reptiles: Western fence lizard

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0645: Safety tailgate.

0650: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1500: Crew stops work for the day.

**Additional Comments**

N/A

**Signature**





Crew\_weed\_removal\_DG-2\_facingNorth.JPG  
-118.17259166666668 34.18935



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	55 °F	0-3 MPH	100 %
<b>End of Day</b>	14:45	66 °F	0-3 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image regular crew of 11 picking up trash and pulling weeds in 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:**

ACWO, NUWO, NOFL, CATH, CASJ, CALT, WCSP, HOFI, ANHU, SPTO, WREN, BUSH, BRBL, EUST, OATI, EUCD, BEWR, YRWA, RTHA, California ground squirrel, Fox squirrel, mule deer (track in mud).

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: WEEP trained a new employee, Johnathan.

0720: Crew took a sweep of the site top to bottom to look for trash. I accompanied and surveyed for weed growth.

0930: Monitored vegetation clearing in DG-4 sheetflow. Primary target was poison hemlock. Crew finished central hill area, which was planted with a Salix woodland alliance. Lots of Oenothera and Rubus on ground between container plants, reminded crew to avoid. Monoculture of some unknown sprouts nearby in a graded area. Possibly an aster; nearby Oenothera elata. Told crew to avoid it for now.

1400: Walked foreman Daniel Holmes through the channels to show him damages from flood.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_pulling\_DG-4\_SF\_facingSouth.jpg**  
-118.17615208333333 34.191285961111106



**photo\_2-post\_pulling\_DG-4\_SF\_facingSouth.jpg**  
-118.17617007222222 34.19131430555555



photo\_3-crew\_in\_progress\_pulling\_DG-4\_SF\_facingNorth.jpg  
-118.17616944444445 34.19135616666665

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 21, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	50 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	68 °F	0-3 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCSP, WCSP, CALT, RTHA, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1300: Part of the crew removes pile of dead pepper weed in DG-2B.

1440: Crew stops work for the day and takes disposed weeds to dumpster.

**Additional Comments**

N/A

**Signature**





**Crew\_DG-2\_facingNorth.JPG**  
-118.17314166666667 34.18831666666665

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	0-3 MPH	100 %
<b>End of Day</b>	15:00	65 °F	0-3 MPH	95 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: LCSP, WCSP, SOSP, CALT, CAQU, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR, ACWO, AMKE

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Half the crew starts work on DG-2 and eastern side slopes. The other half of the crew works on the western side slopes near the dam. Main target species include: pepper weed, mustard, poison hemlock and lambs quarters.

0900: Crew takes a break.

0915: Crew returns to work on DG-2/side slopes.

1200: Crew breaks for lunch.

1230: Half the crew returns to work on DG-2. Other half of the crew returns to western side slopes.

1440: Crew stops work for the day and brings last load to dumpster.

**Additional Comments**

N/A

**Signature**





**Crew\_DG-2\_facingNorthEast.JPG**  
-118.17226388888889 34.19195555555555

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Company: Stillwater**  
**Date of Log: December 22, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	45 °F	0-3 MPH	15 %
<b>End of Day</b>	15:15	65 °F	0-3 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing in DG-W-2 (Mining Pit) Hand tools, tarps, rakes Nine crew members includes: Natures Image main crew, temp crew, and supervisor 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:**

CASJ, OATI, RSHA, ACWO, SOSF, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, AMCR, HOFI, RCKI, NUWO, LEGO, ANHU, AMRO, WREN, NOMO, DEJU, BLPH, RSHA, CATH

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

6:45: Biologist and crew arrived onsite for a quick tailboard with foreman Daniel. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil on some locations to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Biologist used pin flags due to the tiny native sprouts that have been germinating from recent rains. Pin flags could assist crew with identification.

12:00 Similar activities took place after lunch.

15:15: Biologist completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

**Additional Comments**

Rain predicted for tomorrow (Thursday, Dec 23) Rain predicted for following week. Observation: Multiple willows (appearing to be only Pacific Willow in the Mining Pit are dead/dying.

**Signature**







**Vegetation\_clearing\_before\_facingSouthWest.jpg**  
-118.1740885555556 34.19257719444444



**VegetationRemoval\_during\_facingSouth.jpg**  
-118.17412033333333 34.19250777777778



**VegetationClearing\_after\_facingSouthWest.jpg**  
-118.1740517777778 34.19263578888886

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: December 23, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	49 °F	0-3 MPH	100 %
<b>End of Day</b>	10:15	50 °F	4-6 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Nature's Image crew of 8 including foreman Daniel Holmes, hand-pulling on west side of Project Area. Rained out after a few hours on-site. Rained out at around 10:15.

**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, CAQU, CALT

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew meets at south end of service road due to ongoing maintenance at main Hahamongna parking lot.  
0700: we head over to main staging area at dirt parking lot since County construction workers are off today and access is okay. We go to east end of DG-W-2-Mining\_Pit to pull sprouts of mostly Conium and Hirschfeldia. It has been lightly sprinkling but rain picks up during first break at 830.

1015: with no letup in the rain expected, Daniel calls off the work. Crew is retrieving their tools and otherwise cleaning/packing up.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_hand-pulling\_DG-W-2\_facingNorthWest.JPG  
-118.1739972222223 34.19271111111111



photo\_2-after\_hand-pulling\_DG-W-2\_facingNorthWest.JPG  
-118.1739722222223 34.19272499999996



**photo\_3\_before\_hand-pulling\_DG-W-2\_facingSouthEast.JPG**  
-118.1739722222223 34.1924944444444



**photo\_4\_after\_hand-pulling\_DG-W-2\_facingSouthEast.JPG**  
-118.1738972222222 34.1925194444444

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Company: Stillwater**  
**Date of Log: December 27, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	40 °F	0-3 MPH	10 %
<b>End of Day</b>	13:30	48 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 including foreman Daniel Holmes.

**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, OATI, YRWA, WCSP, CALT, HOFI, WREN, BEWR, LEGO, RCKI, ACWO, NOFL, ANHU, SPTO, MODO, CANG, ALHU

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Crew is continuing hand-pulling at DG-W-2 Mining Pit. Pulling sprouts of primarily Conium and Hirschfeldia. There are a few native Erigeron canadensis coming up which I am pointing out. Daniel was curious if native cocklebur in lower Mining Pit needs to be thinned out. I checked it out and didn't think it required much if any removal if the goal is to get more sunlight to soil-level, considering the dead annual cocklebur will decay more as winter goes on. There is, however, a lot of perennial pepperweed sprouting there. It will be good to remove those and any other non-native weeds in this saturated area for willow seeds to sprout there in late winter/spring.

1230: Light rain starts.

1330: Gets heavier, work is likely done so I am leaving (any further work will be tarping).

**Additional Comments**

Rain after 12:30.

**Signature**





**photo\_1-before\_hand\_pulling\_DG-W-2\_facingNorthEast.jpg**  
-118.17396691666667 34.19291258333333



**photo\_2\_hand\_pulling\_DG-W-2\_facingEast.jpg**  
-118.17402768055555 34.19290902777777



photo\_3-after\_hand\_pulling\_DG-W-2\_facingNorthEast.jpg  
-118.17397436944445 34.19294208333333



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Company: Stillwater**  
**Date of Log: December 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	43 °F	0-3 MPH	35 %
<b>End of Day</b>	14:45	50 °F	0-3 MPH	70 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 hand pulling weeds in DG-W-2 mining pit.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

WREN, CASJ, NUWO, AMCR, CATH, WCSP, RCPA, BEWR, AMWI, CAGO, WODU, MALL, ANHU, SPTO, BGGN, ACWO, CAQU, CORA, LEGO, CALT, EUST, BUSH, HOFI, desert cottontail, RCKI, SAPH, SOSP, NOFL, MODO, RNDU, AMCO, OATI, YRWA, STJA, CAKI, California ground squirrel, fox squirrel, RSHA, KILL, RTHA, MALL (domestic).

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0645: Brief tailboard meeting with crew regarding the plan for the day.

0655: Monitored vegetation clearing in DG-W-2 mining pit. Crew was working north up the channel, fanning east and west of it as they went. Primary targets were mustard and poison hemlock. Numerous native sprouts- several Phacelia, Eriodyction crassifolium, Achillea millefolium, etc. crew was briefed on identifying everything, certain areas were flagged off and crew was closely watched. Areas with numerous intermixed natives were hand pulled, and areas with primarily only natives were avoided altogether.

0800: Walked to slope to examine basin- Arroyo was still flowing, high water mark made it about halfway up the basin from north to south. Lots of waterfowl utilizing habitat, including wood ducks.

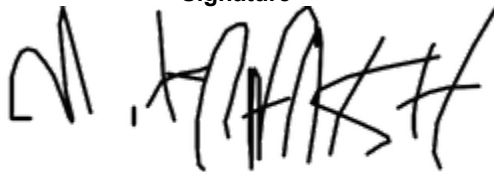
0830: Resumed monitoring vegetation clearing.

1430: Crew began wrapping up pulling while I inspected the site.

**Additional Comments**

N/A

Signature





**photo\_1-pre\_vegetation\_clearing\_mining\_pit\_facingEast.jpg**  
-118.17400591666667 34.19297740555555



**photo\_2-post\_vegetation\_clearing\_mining\_pit\_facingEast.jpg**  
-118.17400266666667 34.19302195833333



**photo\_3-pre\_vegetation\_clearing\_mining\_pit\_facingNorthWest.jpg**  
-118.1741158888889 34.19323311111105



**photo\_4-post\_vegetation\_clearing\_mining\_pit\_facingNorthWest.jpg**  
-118.1741901388889 34.19326861111111

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 28, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	41 °F	0-3 MPH	40 %
<b>End of Day</b>	15:00	51 °F	4-6 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Freddy Quintana as crew lead. Scott Rose came for the morning.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, CALT, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, RTHA, MAKE, BEWR, PEFA, LEGO

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew works in DG-2 pulling weeds and collecting and storing plant cages. Main target species include: pepper weed, mustard, poison hemlock. Scott, Freddy and biologist walk the site and inspect work/erosion that occurred from rain from the previous day.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1130: Biologist observes a Canada goose kill in DG-2. It appears to have been predated by a coyote.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

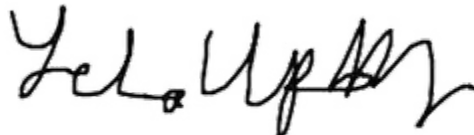
1320: Biologist identifies peregrine falcon in DG-2B preening in snag next to eucalyptus.

1440: Crew stops work for the day and brings last load to dumpster. Approximately 0.76 acres cleared today.

**Additional Comments**

Rained heavily the previous day. Basin is very full.

**Signature**





**Reservoir\_full\_facingSouthWest.JPG**  
-118.1734777777778 34.1870277777777



**Peregrine\_in\_snag\_DG-2B\_facingNorthEast.JPG**  
-118.1726972222223 34.1888361111111

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lela Updegrave**  
**Company: ICF**  
**Date of Log: December 31, 2021**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	45 °F	4-6 MPH	20 %
<b>End of Day</b>	15:00	59 °F	4-6 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 5 with Francisco Lazaro as crew lead.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

Birds: WCSP, NOMO, BEWR, CALT, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, MAKE, AMWI, MALL, CAGO, ANHU, SOSP, BUFF

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew works in Johnson Field. Main target species include: erodium, mustard, and poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1440: Crew stops work for the day and brings last load to dumpster. Approximately 0.5 acres cleared today.

**Additional Comments**

Basin extremely full after 2 days of rain.

**Signature**





**Basin\_full\_facingNorth.JPG**  
-118.1750805555557 34.1853972222222



**Crew\_weed\_removal\_JohnsonField\_facingEast.JPG**  
-118.1713333333334 34.1910805555555

Phase 2 Mitigation Site As-Built Report



# Phase 2 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  
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Alhambra, CA 91803  
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### **Prepared by:**

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**July 29, 2021**

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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 2 of habitat restoration implementation for the Devil's Gate Reservoir Restoration Project (Project) on May 5, 2021. 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 and Amendment dated July 17, 2018) 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). LACPW is currently working on an amendment to the LSAA with the CDFW that will reflect the changes in the Project resulting from the legal settlement. The changes resulting from the legal settlement primarily include fewer permanent impacts associated with a change in the Project boundary and modifications to the area around Altadena Drain. Slight changes to the acreages of restoration in the Phase 1 and Phase 2 as-builts may result but those will be updated when the Phase 3 as-built is completed.

Implementation of habitat mitigation for Phase 2 was conducted in mitigation areas DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-W-2 Outlet, DG-2, DG-2 New Channels, DG-2 WOUS, DG-4A, DG-4 Sheet Flow, DG-4 WOUS, DG-4 Drainage, DG-SF-1, and DG-SF-2. 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 2 restoration areas. Separate as-built reports will be prepared for the subsequent restoration phases for the Project.

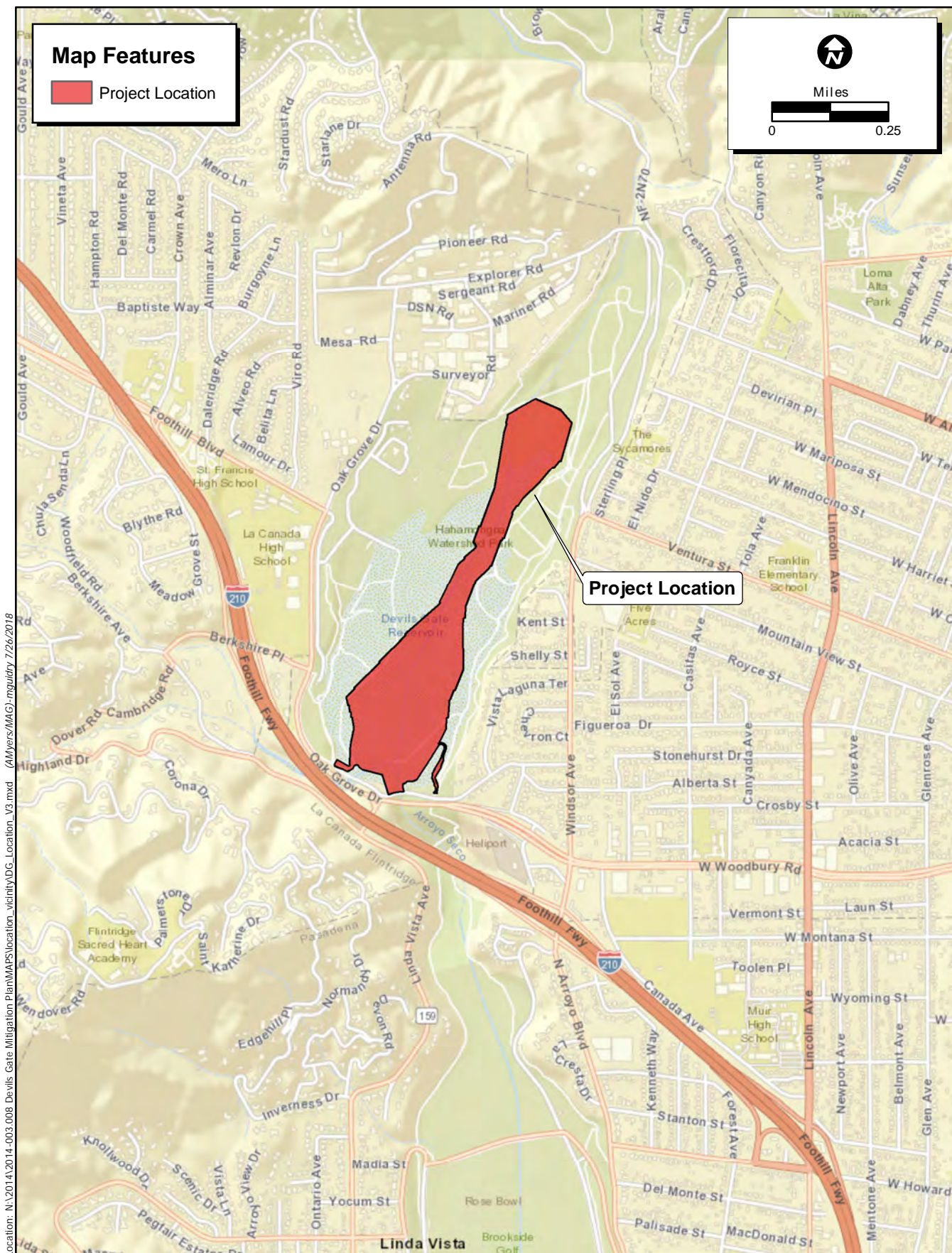
The Project, which includes an initial removal of 1.7 million cubic yards (cy) of sediment to establish a Permanent Maintenance Area (PMA), will restore flood capacity and establish a reservoir management system to maintain the flood control capacity of the reservoir. Subsequently, annual maintenance 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



**Figure 1. Project Vicinity**



Location: N:\2014\2014-003\_008 Devils Gate Mitigation Plan\MAPS\location\_vicinity\DG\_Location\_V3.mxd (AMyers\MAG)\imgdir\7/26/2018

Map Date: 7/26/2018  
 Source: ESRI

**Figure 2. Project Location**

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.

## 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, changes resulting from the legal settlement, and potentially some changes to the mitigation requirements, which will all 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. It should be noted that the mitigation acreage for the Project may change following the approval of the LSAA amendment that is currently in process. 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 Stillwater Sciences (Stillwater) and ECORP Consulting, Inc. (ECORP). Oversight was primarily provided by Margie Pfeffer (Biologist, Stillwater), Wendy Katagi (Senior Manager, Watershed and Ecosystem Restoration Services, Stillwater), Carley Lancaster (Restoration Ecologist, ECORP), Josh Corona-Bennett (Senior Restoration Ecologist, ECORP) and Mari Quillman (Biological Resources Program Manager, ECORP).

Nature's Image is a subcontractor to Stillwater. Stillwater and ECORP are the prime contractors to LACPW. Implementation of habitat restoration for Phase 2 was conducted in mitigation areas DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-W-2 Outlet, DG-2, DG-2 New Channels, DG-2 WOUS, DG-4A, DG-4 Sheet Flow, DG-4 WOUS, DG-4 Drainage, DG-SF-1, and DG-SF-2. However, container plant installation and seed application only occurred in mitigation areas DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-W-2 Outlet, DG-2, DG-2 New Channels, DG-2 WOUS, DG-4 Sheet Flow (northern), and DG-SF-1. Mitigation area DG-4A was not planted due to the ongoing implementation of a grow and kill weeding program in this area. Mitigation areas DG-4 Sheet Flow (southern), DG-4 WOUS, DG-4 Drainage, and DG-SF-2 were not planted with container plants or seeded due to the dynamic nature of these mitigation areas in the path of water flow. To the extent feasible, these areas will be planted with mulefat (*Baccharis salicifolia*) and willow (*Salix* sp.) during the fall/winter of 2021/2022. These areas were not planted with mulefat or willow stakes during the Phase 2 implementation documented in this report due to late timing of stake harvesting. Several of the Phase 2 mitigation areas required surface grading and recontouring prior to planting and seeding. A total of two vegetation communities were included in the Phase 2 habitat restoration effort including Mulefat Thickets (*Baccharis salicifolia* Shrubland Alliance) and Black Willow Thickets (*Salix gooddingii* Woodland Alliance). Habitat restoration implementation commenced on October 12, 2021 and included nonnative and invasive plant removal and follow-up weed abatement efforts. Implementation for Phase 2 was completed on May 5, 2021. A description of the habitat restoration implementation is provided in the following sections. Figure 3, pages 1 and 2, shows the locations where the various habitat restoration activities took place.

### 3.1 Weed Abatement

Initial weed abatement activities commenced on December 14, 2020. Following the completion of the initial weed abatement activities, follow-up weed abatement efforts commenced and are ongoing for all the Phase 2 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. After planting and seeding, nonnative and invasive plant control has been ongoing using hand-pulling, weed whips, and hula hoes. In March 2019, 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. Keeping the nonnatives and invasive plants under control using only hand methods is extremely difficult. The primary species targeted during nonnative and invasive plant removal included 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*).



Location: N:\2014\1014-003\008 Devils Gate Mitigation Plan\WPS\restoration\analysis\2021-06-07 Phase 2 Planting\DG\_Restoration\_Phase2\_20210607.mxd (MAG) mguldry 7/2/2021



## Devil's Gate Mitigation Area Phase 2 Planting Areas

### Map Features

- Final Design Boundary
- Sediment Removal Excavation Contours <sup>1</sup>
- Phase 2 Area

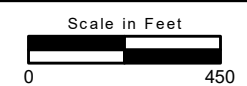
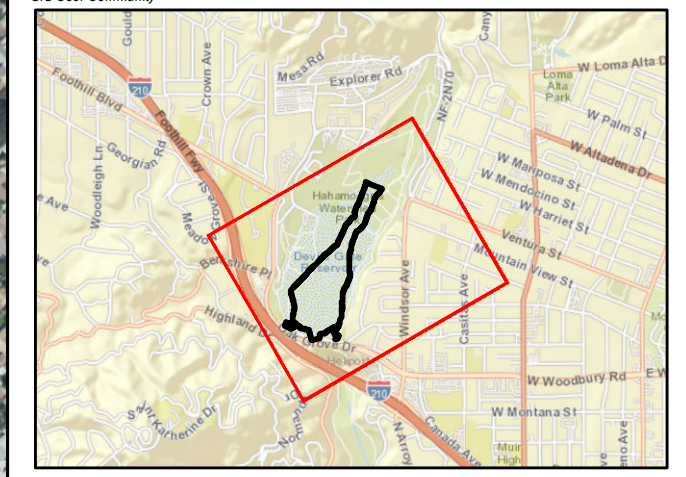
### Phase 2 Planting

- Phase 2 Planted/Seeded
- Phase 2 Not Planted/Seeded

### Mitigation Areas

<ul style="list-style-type: none"> <li><span style="background-color: #e91e63; width: 20px; height: 10px; display: inline-block;"></span> DG-1</li> <li><span style="background-color: #9575cd; width: 20px; height: 10px; display: inline-block;"></span> DG-1 WOUS</li> <li><span style="background-color: #ffcdd2; width: 20px; height: 10px; display: inline-block;"></span> DG-2</li> <li><span style="background-color: #bbdefb; width: 20px; height: 10px; display: inline-block;"></span> DG-2 New Channels</li> <li><span style="background-color: #e1bee7; width: 20px; height: 10px; display: inline-block;"></span> DG-2 WOUS</li> <li><span style="background-color: #ffe0b2; width: 20px; height: 10px; display: inline-block;"></span> DG-2A</li> <li><span style="background-color: #d7ccc8; width: 20px; height: 10px; display: inline-block;"></span> DG-2B</li> <li><span style="background-color: #e2efda; width: 20px; height: 10px; display: inline-block;"></span> DG-3A</li> <li><span style="background-color: #c8e6c9; width: 20px; height: 10px; display: inline-block;"></span> DG-3B</li> <li><span style="background-color: #e8f5e9; width: 20px; height: 10px; display: inline-block;"></span> DG-3B(Alta Dena)</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4 Drainage</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4 Sheetflow</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4 WOUS</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4 WOUS Connections</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4A</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-4B</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: #c8e6c9; width: 20px; height: 10px; display: inline-block;"></span> DG-4C</li> <li><span style="background-color: #c8e6c9; width: 20px; height: 10px; display: inline-block;"></span> DG-4D</li> <li><span style="background-color: #ffff00; width: 20px; height: 10px; display: inline-block;"></span> DG-5</li> <li><span style="background-color: #9e9e9e; width: 20px; height: 10px; display: inline-block;"></span> DG-6</li> <li><span style="background-color: #e0e0e0; width: 20px; height: 10px; display: inline-block;"></span> DG-7 (Temp Impacts)</li> <li><span style="background-color: #e91e63; width: 20px; height: 10px; display: inline-block;"></span> DG-8 (Temp Impacts)</li> <li><span style="background-color: #9575cd; width: 20px; height: 10px; display: inline-block;"></span> DG-9 (Temp Impacts)</li> <li><span style="background-color: #a1887f; width: 20px; height: 10px; display: inline-block;"></span> DG-East Trail 1</li> <li><span style="background-color: #a1887f; width: 20px; height: 10px; display: inline-block;"></span> DG-East Trail 2</li> <li><span style="background-color: #a1887f; width: 20px; height: 10px; display: inline-block;"></span> DG-East Trail 3</li> <li><span style="background-color: #a1887f; width: 20px; height: 10px; display: inline-block;"></span> DG-East Trail 4</li> <li><span style="background-color: #a1887f; width: 20px; height: 10px; display: inline-block;"></span> DG-Park</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-Park-Drainage</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-SF-1</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-SF-2</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-W-1 (Johnson Field)</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-W-2 (Mining Pit)</li> <li><span style="background-color: #00bcd4; width: 20px; height: 10px; display: inline-block;"></span> DG-W-2 (Mining Pit Outlet)</li> </ul>
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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





### 3.2 Grading and Recontouring

Grading and recontouring for Phase 2 was conducted in the DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-W-2 Outlet, DG-2 New Channels, DG-2 WOUS, and DG-4 WOUS mitigation areas. The activities were conducted according to the Final Design Plans for the Project (Design Plans) dated September 29, 2020 (ECORP 2020). The purpose of the grading and recontouring was to create new low flowing channels and topography to support the hydrology needed to sustain riparian habitats. Equipment used during grading included excavators, backhoes, bulldozers, water trucks, and various hand tools. Biological monitors were present during all grading and recontouring activities to ensure the Design Plans were followed and to minimize disturbance to biological resources.

### 3.3 Seeding

Upon completion of the initial weed abatement effort, the seeding process, which consisted of broadcast seeding, commenced on January 11, 2021. 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.

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>Mulefat Thickets Seed Mix</b>					
<i>Ambrosia psilostachya</i>	western ragweed	4	4	4	41
<i>Artemisia douglasiana</i>	mugwort	4	4	20	34
<i>Elymus triticoides</i>	beardless wild rye	4	4	95	80
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle	4	4	64	63
<i>Achillea millefolium</i>	yarrow	1	1	98	85
<i>Artemisia dracunculus</i>	tarragon	1	1	12	74
<i>Bromus carinatus</i>	California brome	1	1	98	85
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	south coast morning glory	0.5	0.5	99	81
<i>Cirsium occidentale</i>	western thistle	1	0.25	No Test	No Test
<i>Elymus condensatus</i>	giant wild rye	1	1	77	90
<i>Epilobium canum</i>	California fuchsia	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Epilobium ciliatum</i>	slender willow herb	NA	.5	8	76

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
<i>Eriodictyon parryi</i>	poodle-dog bush	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Eriodictyon crassifolium</i>	thickleaf yerba santa	NA	0.5	59	64
<i>Eschscholzia californica</i>	California poppy	0.5	0.5	90	80
<i>Galium aparine</i>	Cleavers	0.5	0.25	No Test	No Test
<i>Gutierrezia californica</i> <sup>4</sup>	matchweed	0.5	0.5	10	76
<i>Lupinus bicolor</i>	bicolored lupine	0.5	0.5	95	85
<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	0.5	No Test	No Test
<i>Phacelia cicutaria</i>	caterpillar phacelia	0.5	0.5	95	70
<i>Phacelia distans</i>	common phacelia	0.5	0.5	95	70
<i>Phacelia minor</i>	wild Canterbury bells	0.5	0.5	90	60
<i>Phacelia parryi</i>	Parry's phacelia	0.5	0.5	99	91
<i>Marah macrocarpa</i>	chilicothe	0.5	0.5	99	28
<i>Pseudognaphalium californicum</i>	California everlasting	0.5	0.5	23	26
<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
<b>Primary Seed Mix Total</b>		<b>30.0</b>	<b>27.0</b>		
<b>Black Willow Thickets Seed Mix</b>					
<i>Anemopsis californica</i>	yerba mansa	3	3	62	45
<i>Artemisia douglasiana</i>	mugwort	5	5	20	34
<i>Cyperus eragrostis</i>	tall flatsedge	3	3	99	88
<i>Elymus triticoides</i>	beardless wild rye	2	2	95	80
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle	3	3	64	63
<i>Achillea millefolium</i>	yarrow	1	1	98	85
<i>Artemisia dracunculul</i>	tarragon	1	1	12	74
<i>Bromus carinatus</i>	California brome	1	1	98	85
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	south coast morning glory	0.5	0.5	99	81
<i>Cirsium occidentale</i>	western thistle	1	0.25	No Test	No Test
<i>Elymus condensatus</i>	giant wild rye	1	1	77	90
<i>Epilobium canum</i>	California fuchsia	0.5	0.25	N/A	N/A

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
<i>Eriodictyon parryi</i>	poodle-dog bush	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Eschscholzia californica</i>	California poppy	0.5	0.5	90	80
<i>Galium aparine</i>	Cleavers	0.5	0.25	No Test	No Test
<i>Gutierrezia californica</i>	matchweed	0.5	0.5	10	76
<i>Lupinus bicolor</i>	bicolored lupine	0.5	0.5	95	85
<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	0.5	No Test	No Test
<i>Phacelia cicutaria</i>	caterpillar phacelia	0.5	0.5	95	70
<i>Phacelia distans</i>	common phacelia	0.5	0.5	95	70
<i>Phacelia minor</i>	wild Canterbury bells	0.5	0.5	90	60
<i>Phacelia parryi</i>	Parry's phacelia	0.5	Not Available <sup>2</sup>	99	91
<i>Marah macrocarpa</i>	chilicothe	0.5	0.5	99	28
<i>Pseudognaphalium californicum</i>	California everlasting	0.5	0.5	23	26
<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
<b>Black Willow Thickets Seed Mix Total</b>		<b>30.0</b>	<b>25.75</b>		

<sup>1</sup>HRP – Habitat Restoration Plan

<sup>2</sup>Not Available – Was not available for purchase from seed vendor.

PLS – Pure Live Seed

Lbs. – Pounds

N/A – Not Applicable

### 3.4 Container Plant Installation

The container plant installation process commenced on January 11, 2021 and was completed on May 5, 2021. Container plants used for the Project were procured from Tree of Life Nursery and Arroyo Seco Foundation (ASF) Nursery 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 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. 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 2.

### 3.5 Photo Documentation

Digital photographs were taken during key steps of the implementation process. Relevant photos are provided in Appendix B.

Scientific Name	Common Name	DG-					TOTAL
		DG-W-1 (Johnson Field)	DG-2/ DG-2 New Channels/ DG-2 WOUS	DG-W-2 (Mining Pit)	DG-W-2 Outlet	DG-4 Sheet Flow/ DG-SF-1	
<i>Artemisia douglasiana</i>	Mugwort	349	448	187	50	31	1,065
<i>Baccharis pilularis</i>	Coyote brush	349	375	187	50	31	992
<i>Baccharis salicifolia</i>	mulefat	673	827	228	61	37	1,826
<i>Populus fremontii</i>	Fremont's cottonwood	349	375	187	50	31	992
<i>Rosa californica</i>	California rose	349	375	187	50	31	992
<i>Rubus ursinus</i>	California blackberry	349	375	141	38	23	926
<i>Salix gooddingii</i>	Black willow	698	896	373	101	61	2,129
<i>Salix laevigata</i>	Red willow	349	375	187	50	31	992
<i>Salix lasiolepis</i>	Arroyo willow	349	375	187	50	31	992
<i>Sambucus mexicana</i>	Mexican elderberry	175	225	94	25	15	534
<b>Total</b>		<b>3989</b>	<b>4646</b>	<b>1958</b>	<b>525</b>	<b>322</b>	<b>11,440</b>

### 4.0 COMPLIANCE WITH HABITAT RESTORATION PLAN

During the implementation process, few deviations from the HRP were required. Minor deviations, including species substitutions to the seed mix and planting and seeding outside of the fall and winter seasons did occur. All substitutions to the seed mix 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. Certain species were not available when the seed order was placed and in some cases, the required pounds per acre were not available so the seed was applied at a lower rate; 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 2 mitigation areas, associated acreages, and associated vegetation

communities. The table includes both the acres of the mitigation areas without the easements and the total acres in each of the mitigation areas including the easements. The areas within the easements were included in the planting and seeding but the acreage within the easements are not counted as mitigation.

<b>Site #</b>	<b>Target Vegetation Type</b>	<b>Mitigation Method</b>	<b>Acreage Excluding Easements</b>	<b>Total Acreage</b>
DG-W-1 (Johnson Field)	<i>Salix gooddingii</i> Woodland Alliance	Creation	3.01	3.44
DG-W-2 (Mining Pit)	<i>Salix gooddingii</i> Woodland Alliance	Restoration	1.98	2.12
DG-W-2 (Mining Pit Outlet)	<i>Salix gooddingii</i> Woodland Alliance	Creation	0.13	0.13
DG-2	<i>Salix gooddingii</i> Woodland Alliance/ <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration-Enhancement	3.75	3.83
DG-2 New Channels	<i>Salix gooddingii</i> Woodland Alliance	Creation	0.83	0.83
DG-2 WOUS	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.75	0.75
DG-4A <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance	Creation	5.43	5.46
DG-4-Sheet Flow	<i>Salix gooddingii</i> Woodland Alliance/ <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration-Enhancement	0.40	0.40
DG-SF-1	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.08	0.08
DG-SF-2 <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.03	0.03
DG-4-WOUS <sup>2</sup>	<i>Salix gooddingii</i> Woodland Alliance/ <i>Baccharis salicifolia</i> Shrubland Alliance	Restoration	1.84	1.88
DG-4-Drainage <sup>1</sup>	<i>Salix gooddingii</i> Woodland Alliance	Restoration	0.49	0.49
<b>TOTAL</b>			<b>18.72</b>	<b>19.44</b>

<sup>1</sup>Weed abatement only

<sup>2</sup>Weed abatement and grading/recontouring only

## 5.0 IMPLEMENTATION ACCEPTANCE

The Phase 2 mitigation sites will be maintained and monitored for a period of five years, or until the performance standards outlined in the HRP are achieved and CDFW determines the site is successful. Habitat restoration implementation for Phase 2 of the Project was completed on May 5, 2021; therefore, the five-year maintenance and monitoring period for Phase 2 commenced on May 5, 2021 and the assumed end dates will be May 5, 2026. Per the HRP, a total of 19.44 acres of onsite mitigation has been installed (easements were planted and seeded but do not count towards mitigation) and will be monitored until the areas meet the performance standards to achieve the mitigation requirement for the Phase 2 restoration areas. It should be noted that the acreage of the mitigation areas will potentially change following the approval of the LSAA amendment that is currently in process.

## 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.

CDFW. 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. 2020. *Devil's Gate Reservoir Restoration Project Final Design Plans*.

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. 1600-2018-0042-R6



# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

MARK PESTRELLA, Director

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ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
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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

Handwritten initials: VM, CWF, SC

VM:vt

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Enc.



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE

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*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 ~~40.8~~ **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 ~~2.417~~ **2.417** 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~~ 17 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, 0.507 acre *Xanthium strumarium* herbaceous stand, 0.207 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 ~~40.98~~ **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
<b>TOTAL PERMANENT IMPACTS</b>		<b>40.80</b>	<b>41.98</b>	

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 ~~24~~ 17 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 1. Overview Phase 2 Irrigation Installation



Photo 2. Overview Phase 2 Container Plant Installation

Attachment B – Photo Documentation



Photo 3. Overview Phase 2 Container Plant Installation



Photo 4. Overview Phase 2 Weed Abatement

Attachment B – Photo Documentation



Photo 5. Overview Phase 2 Container Plant Installation



Photo 6. Overview Phase 2 Container Plant Installation



Attachment B – Photo Documentation



Photo 7. Overview Phase 2 Irrigation Installation



Photo 8. Overview Phase 2 Container Plant Installation

Attachment B – Photo Documentation



Photo 9. Overview Phase 2 Container Plant Installation



Photo 10. Overview Phase 2 Seeding

Attachment B – Photo Documentation



Photo 11. Overview Phase 2 Weed Abatement



Photo 12. Overview Phase 2 Container Plants

Attachment B – Photo Documentation



Photo 13. Overview Phase 2 Weed Abatement



Photo 14. Overview Phase 2 Irrigation Installation

Attachment B – Photo Documentation



Photo 15. Overview Phase 2 Weed Abatement



Photo 16. Overview Phase 2 Container Plant Installation

Attachment B – Photo Documentation



Photo 17. Overview Phase 2 Irrigation Installation



Photo 18. Overview Phase 2 Weed Abatement

Attachment B – Photo Documentation



Photo 19. Overview Phase 2 Cage Creation for Container Plants



Photo 20. Overview Phase 2 Tree Removal

Attachment B – Photo Documentation



Photo 21. Overview Phase 2 Weed Abatement



Photo 22. Overview Phase 2 Container Plant Installation