

Devil's Gate Reservoir Restoration Project Third Quarter Compliance Report Activities Occurring Between July 2020 and September 2020

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1.0 INTRODUCTION

1.1 Purpose

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

Condition 6.7 in the ITP states:

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

This is the eighth report (Quarterly Compliance Report Number 8) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between July 1 and September 30, 2020.

2.0 COVERED ACTIVITIES

2.1 Breeding Season Surveys

Per Condition 7.3.4 of the ITP, "the Designated Biologist(s) shall continue weekly focused surveys within 500 feet of Covered Activities in Covered Species habitat during the breeding season to determine the presence of Covered Species."

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

Twice-weekly focused surveys continued during the third quarter 2020 reporting period through the end of the least Bell's vireo breeding season per the ITP (September 15). A total of 22 focused breeding season least Bell's vireo surveys were conducted by Designated Biologists approved by CDFW and USFWS during the third quarter of 2020. Table 1 shows the twice-weekly focused least Bell's vireo survey dates and the Designated Biologists that surveyed on each date.

Table 1. Focused Breeding Season Least Bell's Vireo Survey Dates and Personnel.

Date	Designated Biologist
07/02/2020	Jill Coumoutso
07/06/2020	Jill Coumoutso
07/10/2020	Jill Coumoutso
07/13/2020	Jill Coumoutso
07/17/2020	Christine Tischer
07/20/2020	Shannan Shaffer
07/23/2020	Christine Tischer
07/27/2020	Jill Coumoutso
07/30/2020	Jill Coumoutso
08/04/2020	Jill Coumoutso
08/07/2020	Shannan Shaffer
08/10/2020	Shannan Shaffer
08/14/2020	Shannan Shaffer
08/17/2020	Shannan Shaffer
08/21/2020	Christine Tischer
08/24/2020	Shannan Shaffer
08/28/2020	Shannan Shaffer
08/31/2020	Shannan Shaffer
09/04/2020	Christine Tischer
09/07/2020	Shannan Shaffer
09/11/2020	Christine Tischer
09/15/2020	Christine Tischer

The least Bell's vireo family group (which was formed after a least Bell's vireo breeding pair had a successful nesting cycle within the onsite habitat restoration areas during the second quarter of 2020) continued to be observed during focused breeding season surveys conducted during the third quarter of 2020. The family group remained onsite throughout the breeding season and was last observed during the focused survey conducted on August 28, 2020, at which point it is believed that the group departed the site for the season.

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

Weekly least Bell's vireo survey and monitoring memos through September 15, 2020 were prepared and submitted to USFWS per Conservation Measure 11b of the USFWS Informal Section 7 Consultation. The weekly memos for the third quarter of 2020 reporting period are compiled and included in Appendix A. The observation of the least Bell's vireo nest and subsequent family group was submitted to the California Natural Diversity Database (CNDDDB) on July 10, 2020. A copy of the CNDDDB submission is included as Appendix B in compliance with Condition 6.9 of the ITP.

2.2 Biological Monitoring

Per Condition 6.6 in the ITP, "The Designated Biologist shall be on site daily when Covered Activities occur and when Covered Species are present, and weekly when Covered Species have potential to be present."

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

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Per Conservation Measure 10 of the USFWS Informal Section 7 Consultation "If construction occurs between September 1 to March 14 (outside of the vireo breeding and nesting season), a designated construction monitor will conduct twice weekly inspections of the project site."

Daily monitoring of construction activities by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site during the nesting bird season. A Designated Biologist for least Bell's vireo was onsite daily through September 15th either as a construction monitor or conducting a focused least Bell's vireo survey (see Table 1). Upon completion of nesting bird season (September 15), biological monitoring of construction activities transitioned to twice-weekly site checks by Designated Biologists approved by the USFWS and CDFW for least Bell's vireo monitoring. Twice-weekly site checks continued through the end of the third quarter of 2020. Daily monitoring of restoration activities was ongoing during the third quarter. Table 2 shows Project working dates and the biological monitors that were present on each date.

Date	Construction Monitors	Restoration Monitors
07/01/2020	Lauren Simpson*	Scott Werner
07/02/2020	Lauren Simpson*	Margie Pfeffer
07/03/2020	No Work - Holiday	No Work – Holiday
07/06/2020	Taylor Dee*	Margie Pfeffer
07/07/2020	Lauren Simpson*	Scott Werner
07/08/2020	Lauren Simpson*	Scott Werner
07/09/2020	Lauren Simpson*	Margie Pfeffer
07/10/2020	Taylor Dee*	Margie Pfeffer
07/13/2020	Adam Schroeder	Margie Pfeffer
07/14/2020	Jill Coumoutso*	Scott Werner
07/15/2020	Jill Coumoutso*	Scott Werner
07/16/2020	Lauren Simpson*	Margie Pfeffer
07/17/2020	Max Murray	Margie Pfeffer
07/20/2020	Lauren Simpson*	Margie Pfeffer
07/21/2020	Jill Coumoutso*	Scott Werner
07/22/2020	Jill Coumoutso*	Scott Werner
07/23/2020	Taylor Dee*	Margie Pfeffer
07/24/2020	Lauren Simpson*	Margie Pfeffer
07/27/2020	Carley Lancaster	Margie Pfeffer
07/28/2020	Jill Coumoutso*	Scott Werner
07/29/2020	Lauren Simpson*	Scott Werner
07/30/2020	Lauren Simpson*	Margie Pfeffer
07/31/2020	Lauren Simpson*, Jill Coumoutso*	Margie Pfeffer
08/03/2020	Jen Kendrick*	Margie Pfeffer
08/04/2020	Lauren Simpson*	Scott Werner
08/05/2020	Lauren Simpson*, Jen Kendrick*	Scott Werner
08/06/2020	Jen Kendrick*	Margie Pfeffer
08/07/2020	Jen Kendrick*	Scott Werner
08/10/2020	Jill Coumoutso*	Margie Pfeffer
08/11/2020	Jill Coumoutso*	Scott Werner
08/12/2020	Jen Kendrick*	Scott Werner
08/13/2020	Jen Kendrick*	Margie Pfeffer
08/14/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/17/2020	Lauren Simpson*	Margie Pfeffer
08/18/2020	Jill Coumoutso*	Scott Werner
08/19/2020	Jen Kendrick*	Amy Plesetz

Table 2. Monitors Onsite During Work Days.

Date	Construction Monitors	Restoration Monitors
08/20/2020	Jill Coumoutso*	Margie Pfeffer
08/21/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/24/2020	Jill Coumoutso*	Margie Pfeffer
08/25/2020	Jill Coumoutso*	Scott Werner
08/26/2020	Jen Kendrick*	Scott Werner
08/27/2020	Jen Kendrick*	Margie Pfeffer
08/28/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/31/2020	Jill Coumoutso*	Margie Pfeffer
09/01/2020	Jill Coumoutso*	Margie Pfeffer
09/02/2020	Shannan Shaffer*	Scott Werner
09/03/2020	Jill Coumoutso*	Margie Pfeffer
09/04/2020	Jill Coumoutso*	Deven Kammerichs-Berke
09/07/2020	No Work - Holiday	No Work - Holiday
09/08/2020	No Work – Red Flag Day	Scott Werner
09/09/2020	No Work – Red Flag Day	Scott Werner
09/10/2020	Shannan Shaffer*	Margie Pfeffer
09/11/2020	Shannan Shaffer*	Deven Kammerichs-Berke
09/14/2020	Jill Coumoutso*	No Work – Poor AQI Due to Nearby Wildfires
09/15/2020 ^β	Shannan Shaffer*	No Work – Poor AQI Due to Nearby Wildfires
09/16/2020		No Work – Poor AQI Due to Nearby Wildfires
09/17/2020		No Work – Poor AQI Due to Nearby Wildfires
09/18/2020	Shannan Shaffer*	Deven Kammerichs-Berke
09/21/2020	Shannan Shaffer*	Michael Walsh
09/22/2020		Scott Werner
09/23/2020		Scott Werner
09/24/2020		Amy Plesetz
09/25/2020	Christine Tischer*	Margie Pfeffer
09/28/2020	Christine Tischer*	Michael Walsh
09/29/2020		Scott Werner
09/30/2020		Scott Werner

* = LBVI approved biologist

^β = Last day of full-time construction monitoring during the nesting bird season. Hereafter monitoring switched to twice-weekly site checks by least Bell's vireo Designated Biologists.

2.3 Project Construction Activities

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

- Project construction activities (including sediment removal hauling activities) continued from July 1, 2020 through September 30, 2020.
- Sediment Removal hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Small areas of emergent vegetation were cleared using skip loaders, backhoes, and bulldozers in preparation for hauling activities and expansion of hauling routes within the site boundaries. All areas were surveyed for nesting bird activity prior to removal and all vegetation removal was within the Project boundaries and monitored by the Designated Biologist on site.

- ESA fencing was removed and reinstalled along the west side of the Project boundary in areas where fencing had previously been adjusted to adhere to non-disturbance buffers around active bird nests. Small amounts of vegetation removal were conducted to place the ESA fence line in its intended location.

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

2.4 Habitat Restoration Activities

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

- Restoration activities continued from July 1, 2020 through September 30, 2020.
- Low-growing non-native plants (including perennial pepperweed [*Lepidium latifolium*], black mustard [*Brassica nigra*], lamb's quarters [*Chenopodium album*], feathered geranium [*Dysphania botrys*], Jesuit's tea [*D. ambrosioides*], clammy goosefoot [*D. pumilio*], common passion flower [*Passiflora caerulea*], Rose evening primrose [*Oenothera rosea*], wild radish [*Raphanus sativus*], poison hemlock [*Conium maculatum*], curly dock [*Rumex crispus*], Himalayan blackberry [*Rubus armeniacus*], Virginia creeper vines [*Parthenocissus quinquefolia*], prickly lettuce [*Lactuca serriola*], eucalyptus [*Eucalyptus sp.*] sprouts, short podded mustard [*Hirschfeldia incana*], hairy fleabane [*Erigeron bonariensis*], sand plantain [*Plantago arenaria*], white horehound [*Marrubium vulgare*], tree tobacco [*Nicotiana glauca*], castor bean [*Ricinus communis*], tree of heaven [*Alianthus altissima*], arundo [*Arundo donax*], French broom [*Genista monspessulana*], common fig [*Ficus carica*], totalote [*Centaurea melitensis*], smilgrass [*Piptatherum miliaceum*], prickly sow thistle [*Sonchus asper*], bull thistle [*Cirsium vulgare*], and Italian thistle [*Carduus pycnocephalus*]) were removed from DG-4, DG-4A, DG-5, DG-SF-2, DG-7 onsite restoration areas by hand pulling and using small hand tools. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- Restoration activities occurred outside of the least Bell's vireo 300-foot buffer through July 17th, at which point (after the nest had fledged and concurrence with USFWS) restoration activities resumed within the buffer but were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restrictions on restoration work within the 300-foot buffer were fully lifted on September 21st after concurrence with USFWS and CDFW.

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

3.0 SATISFACTION OF ITP CONDITIONS

All provisions in the ITP were adhered to during Project activities conducted during this reporting period. No non-compliances were documented during this reported period. No direct or indirect take to listed species or Covered Species occurred during this reporting period. The next Quarterly Compliance Report will cover the next reporting period from October 1, 2020 to December 31, 2020.

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

Per Condition 6.7 of the ITP, Table 3 presents the Mitigation Monitoring and Reporting Program table that was prepared for the Recirculated Portions of the Final Environmental Impact Report with notes showing the current implementation status of each mitigation measure.

Table 3. Devil's Gate Mitigation Monitoring and Reporting Program

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
BIOLOGICAL RESOURCES							
MM BIO – 1: A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2020 third quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 third quarter reporting period. See Table 2 for details.
MM BIO – 2: Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 situation, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 third quarter reporting period.
MM BIO – 3: Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (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,	Preconstruction surveys for sensitive species were conducted by qualified biologists on April 10, 13, and 14, 2020. Preconstruction least Bell's vireo surveys were completed during the second quarter of 2020 and a preconstruction breeding season least Bell's vireo survey report was submitted to LACPW and included as an appendix to the second quarter compliance report for 2020. No preconstruction surveys took place during the third quarter of 2020.
MM BIO – 4: LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established	Final Plans and Specifications; Pre-	Pre-Sediment Removal; Sediment Removal;	Los Angeles County Flood Control District	Less than significant		3/15/19 - 4/14/19, 3/16/20 - 5/19/20	Preconstruction surveys for nesting birds were completed

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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>during the second quarter of 2020. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project construction and restoration activities daily during the nesting season during the third quarter 2020 reporting period.</p>
<p>MM BIO – 5: 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"> • To the extent feasible, trees that have been identified as roosting sites shall be removed or relocated between October 1 and February 28. • 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. • 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. • Trees determined to support active maternity roosts will be left in place until the end of the maternity season (September 30). • 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"> ○ Pushing the tree down with heavy machinery instead of felling the tree with a chainsaw. ○ 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. ○ 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. <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 2020 third quarter reporting period.</p>
<p>MM BIO – 6: 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"> • 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. • Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will 	<p>Reservoir Management</p> <ul style="list-style-type: none"> • Prepare Habitat Restoration Plan • Identify/Map Mitigation Sites • Install Plant Materials • Monitor Installation 	<p>Reservoir Management</p> <ul style="list-style-type: none"> • Identify Reference Sites • Conduct Qualitative and Quantitative Monitoring • Conduct Maintenance • Implement Adaptive Management Measures, if 	<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 2020 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"> 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). 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"> Site-specific container plant (if applicable) and seed palettes, Irrigation plan, Nonnative and invasive plant species removal, Maintenance and monitoring schedule, Qualitative and quantitative monitoring methodologies, Selection criteria of reference sites, Performance standards of the mitigation sites, Monitoring reports and annual reports schedule, Mitigation long-term management plan, and Funding description for implementation and long-term management. 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. 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. <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"> Correctively re-grade areas if hydrologic or other conditions negatively affect the mitigation sites, Add soil amendments if problem soils may be inhibiting plant growth, Replant if plant survival is low or to increase plant species cover or diversity, Install different plant species for plant species that are not surviving, and Close trails or install barriers if human-caused impacts are damaging the mitigation sites. <ul style="list-style-type: none"> 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. 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. 	<ul style="list-style-type: none"> Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<p>Necessary</p> <ul style="list-style-type: none"> Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign- Off 					
<p>MM BIO – 7: 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"> Conduct Tree Survey 	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> Identify Reference Sites 	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

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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"> Identify and Protect Oak Tree Root Zones Identify/Map Mitigation Sites Prepare Habitat Restoration Plan Install Plant Materials Monitor Installation Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<ul style="list-style-type: none"> Conduct Qualitative and Quantitative Monitoring Conduct Maintenance Implement Adaptive Management Measures, if Necessary Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign-Off 					<p>measure were required during the 2020 third quarter reporting period. Restoration activities were continued during the 2020 third quarter reporting period.</p>
<p>MM BIO – 8: 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"> 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). 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. 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. 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"> Site-specific container plant and seed palettes, Irrigation plan, Nonnative and invasive plant species removal, Maintenance and monitoring schedule, Qualitative and quantitative monitoring methodologies, Selection criteria of reference sites, Performance standards of the mitigation sites, Monitoring reports and annual reports schedule, Mitigation long-term management plan, and Funding description for implementation and long-term management. 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 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Prepare Habitat Restoration Plan Identify/Map Mitigation Sites Install Plant Materials Monitor Installation Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Identify Reference Sites Conduct Qualitative and Quantitative Monitoring Conduct Maintenance Implement Adaptive Management Measures, if Necessary Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign- Off 	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	<p>Restoration activities were continued during the 2020 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"> • 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. • 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"> ○ Correctively re-grade areas if hydrologic or other conditions negatively affect the mitigation sites, ○ Add soil amendments if problem soils may be inhibiting plant growth, ○ Replant if plant survival is low or to increase plant species cover or diversity, ○ Install different plant species for plant species that are not surviving, and ○ Close trails or install barriers if human-caused impacts are damaging the mitigation sites. • 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. • 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. • 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. 							

*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

Appendix A – Least Bell’s Vireo Breeding Season Survey Reports – July through September 2020

Appendix B – CNDDDB Submission of Least Bell’s Vireo Observations

Appendix C – Construction Monitoring Logs

Appendix D – Habitat Restoration Monitoring Logs

Least Bell's Vireo Breeding Season Survey Reports – July through September 2020

Memorandum

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

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

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

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

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

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

Project Activities – Week of June 29, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
06/29/20	Shannan Shaffer
07/02/20	Jill Coumoutso

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

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008 Devils Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVI_monitoring_20200528.mxd (WAG)-mguidry 6/15/2020

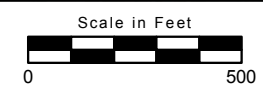
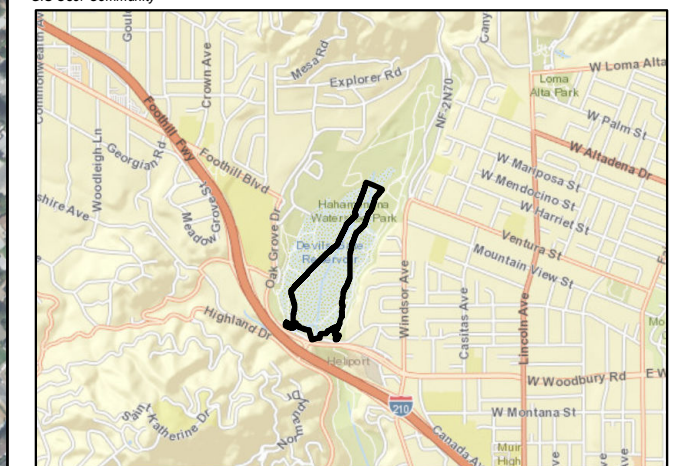


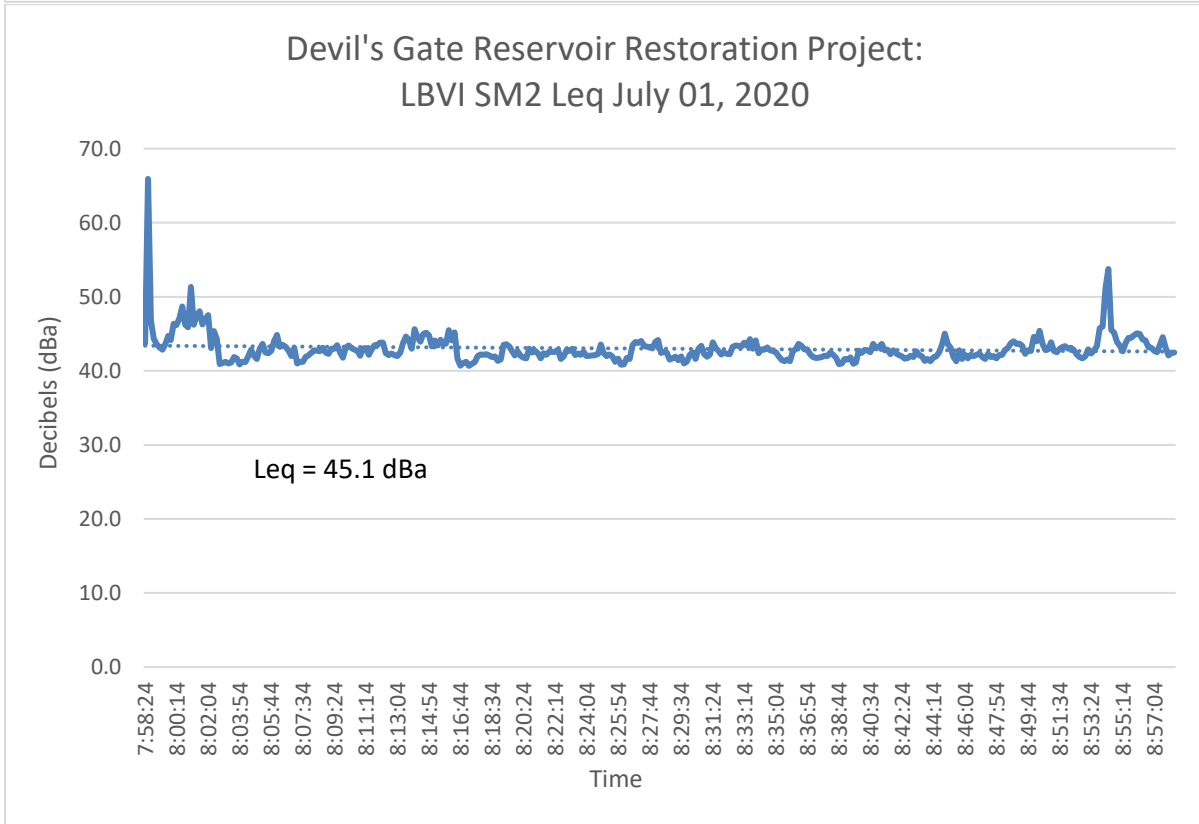
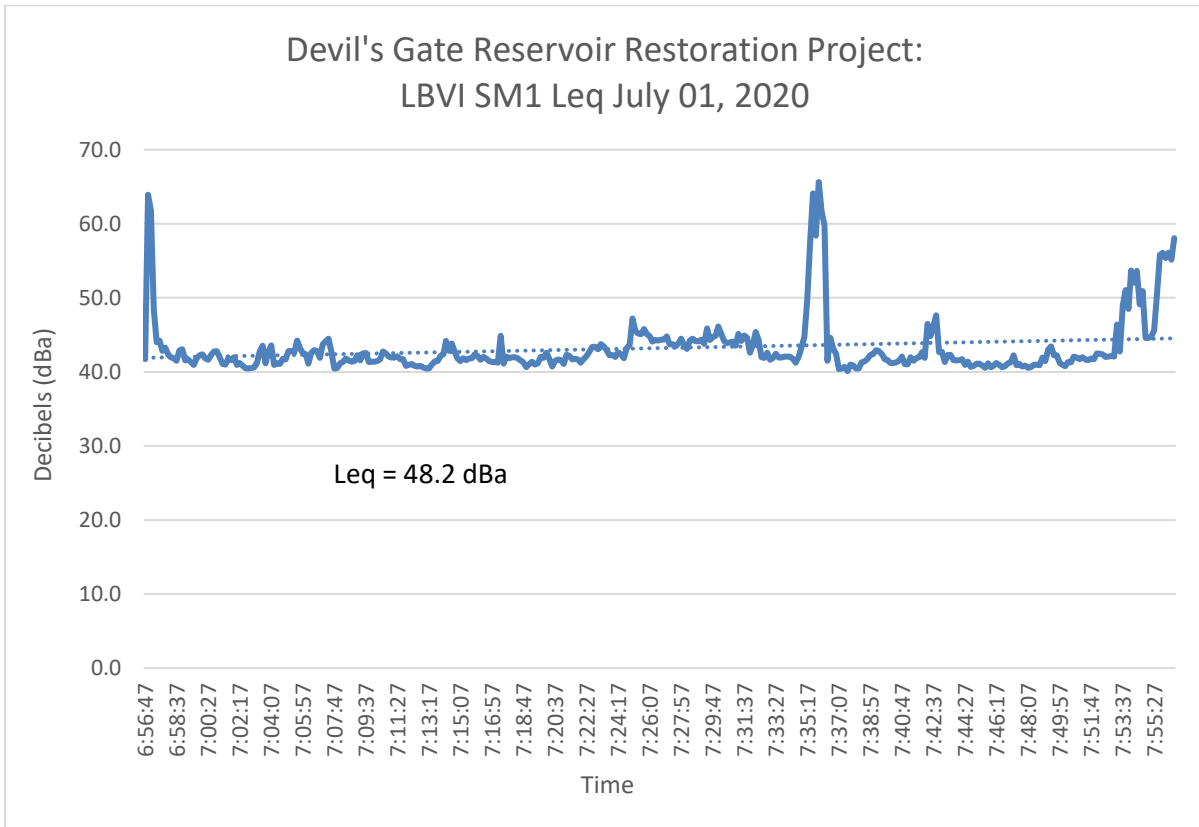
Figure 1.
Least Bell's Vireo Monitoring
June 29 - July 3, 2020

Map Features

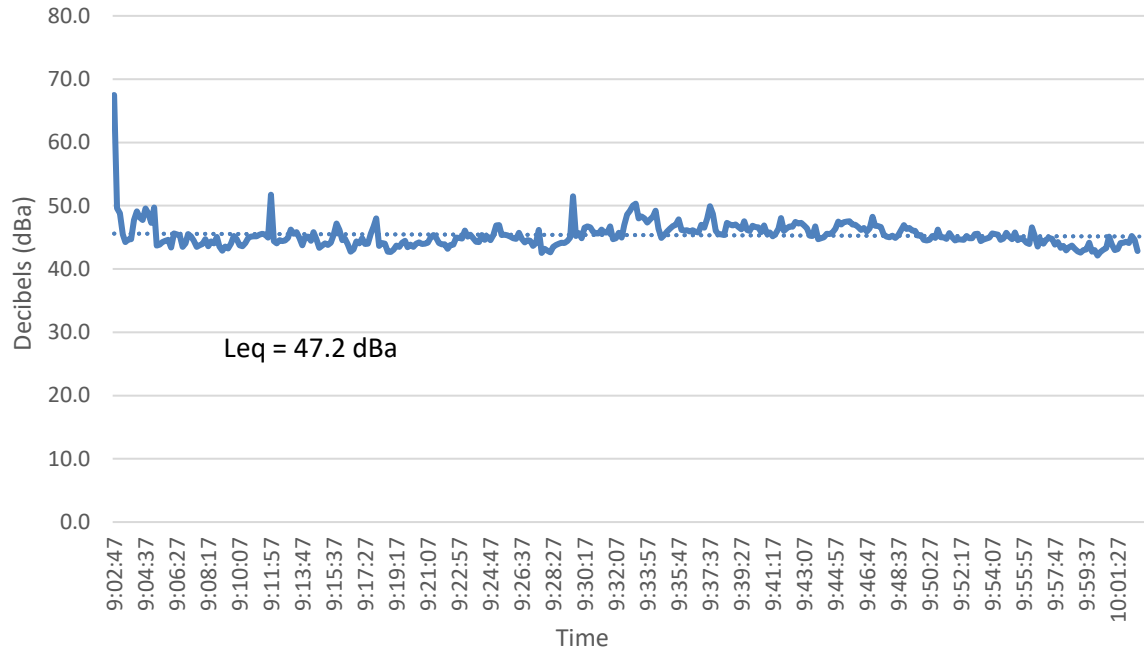
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

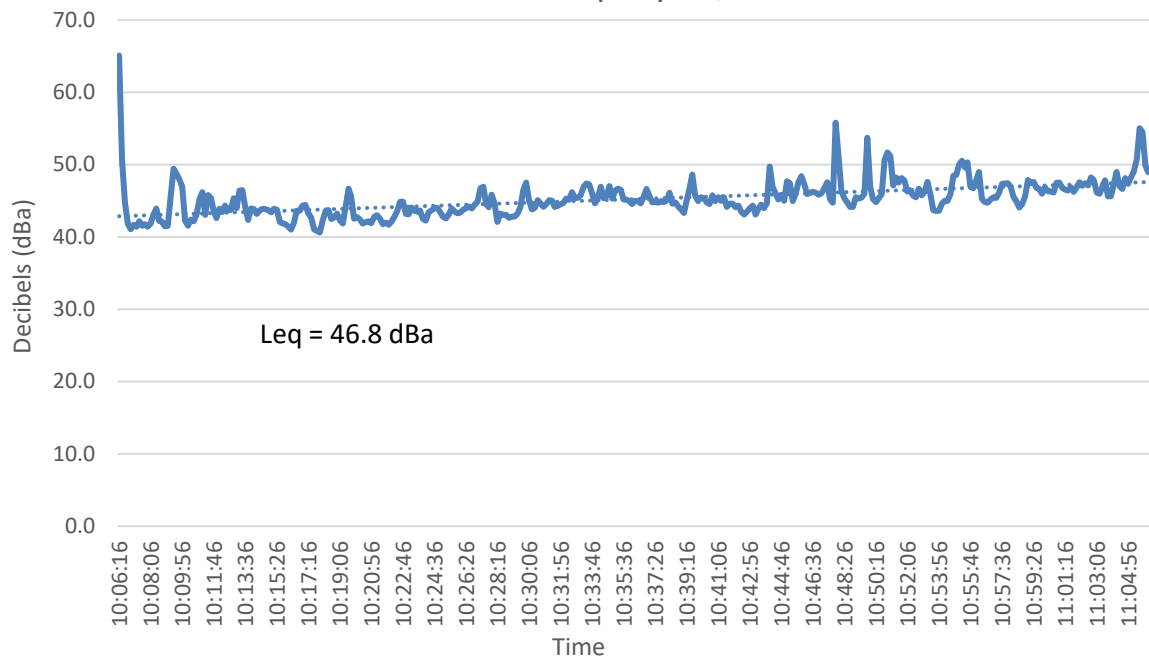




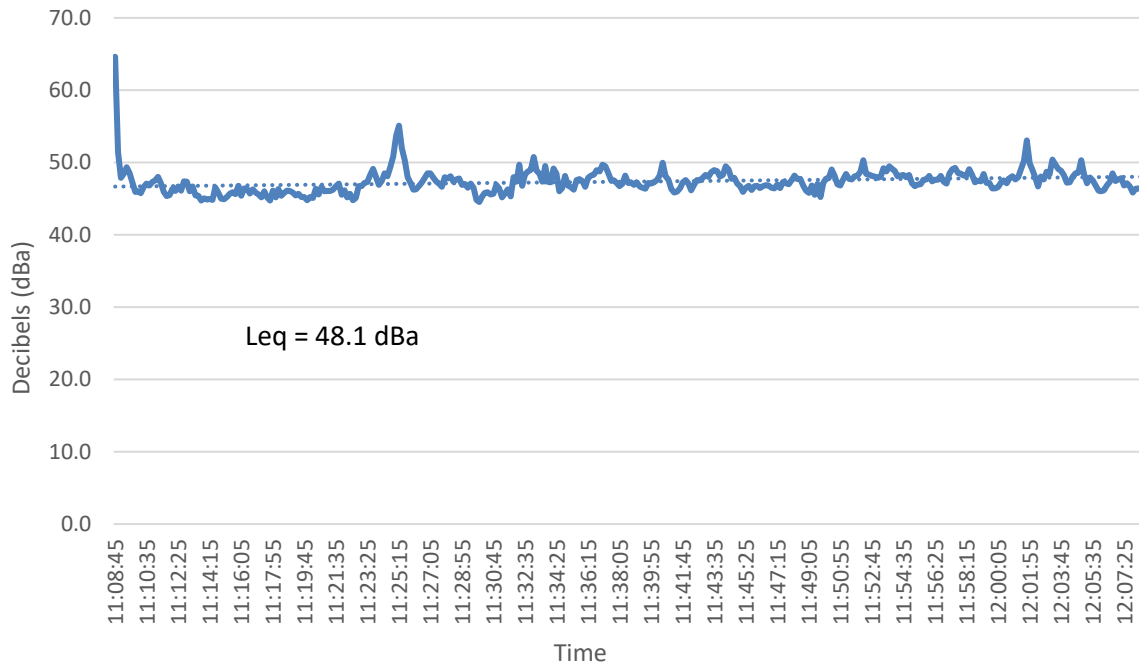
Devil's Gate Reservoir Restoration Project: LBVI SM3 Leq July 01, 2020



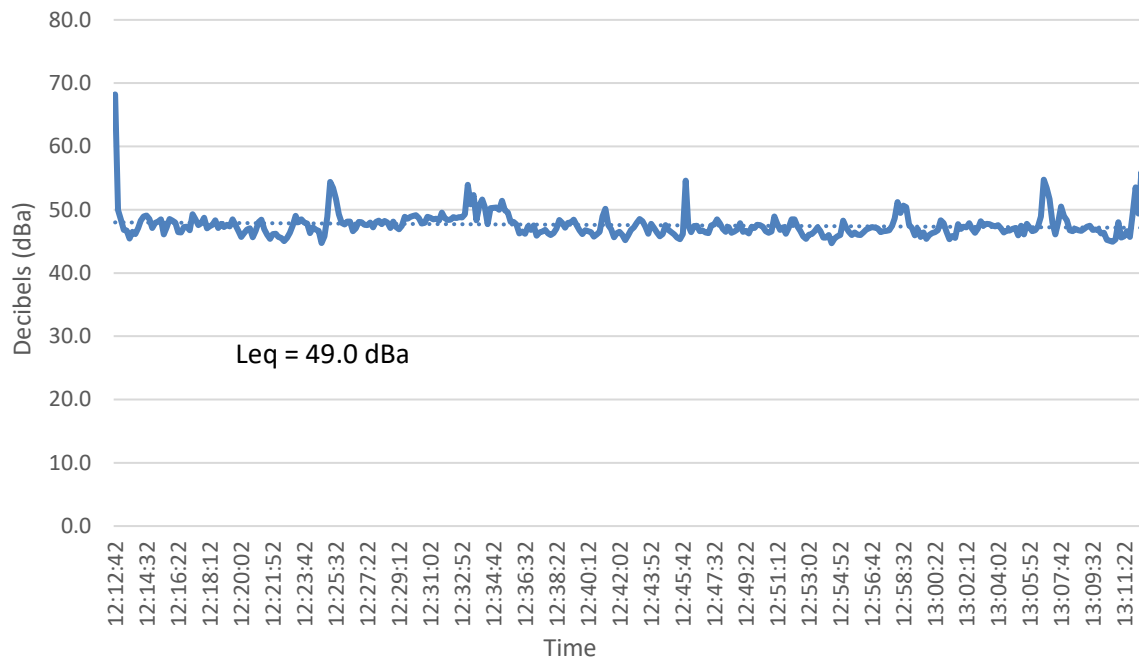
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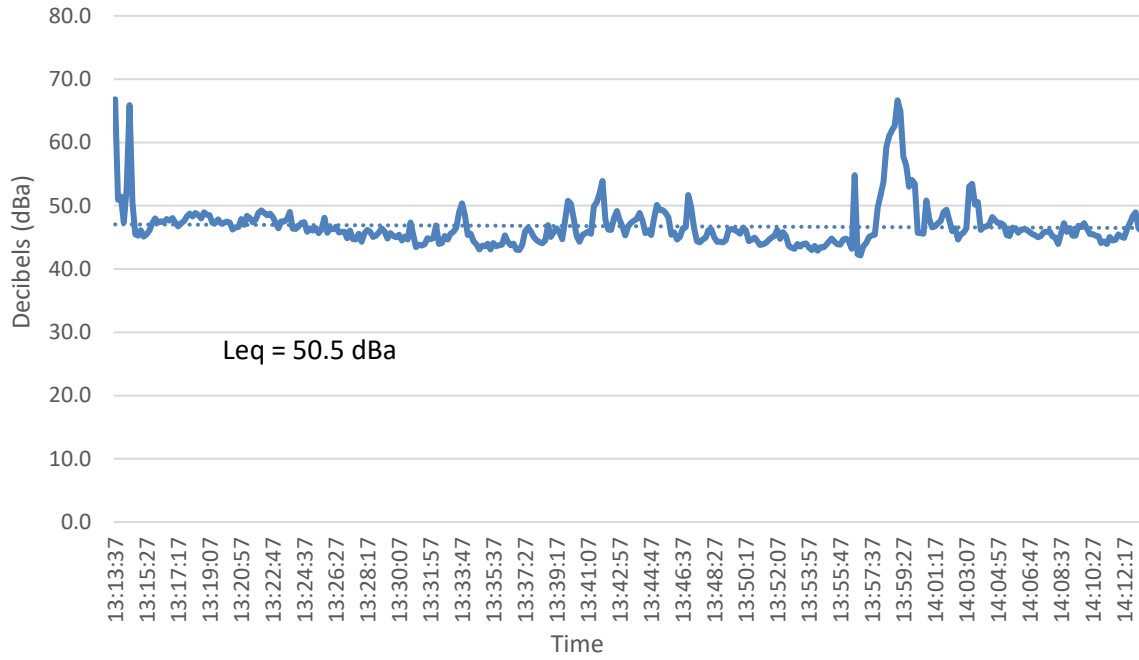
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LBVI SM5 Leq July 01, 2020



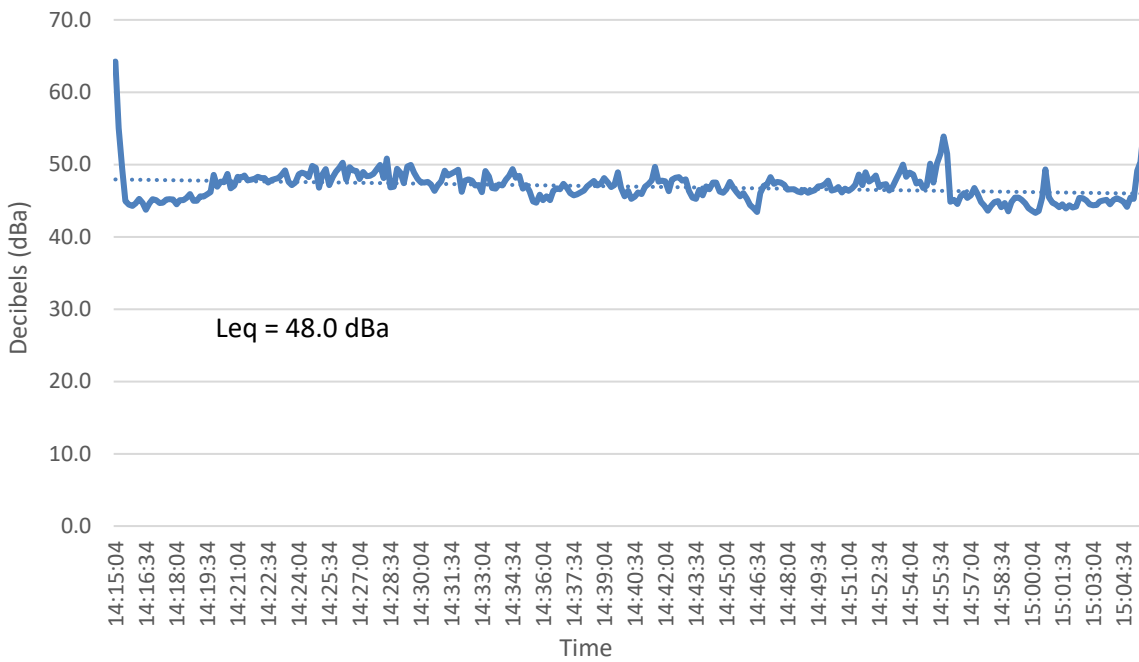
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq July 01, 2020



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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: July 20, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 6 – July 10, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of July 6, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of July 6, 2020 are included as attachments.

Project Activities – Week of July 6, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of July 6, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of July 6, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

Least Bell's Vireo Surveys and Noise Monitoring – Week of July 6, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of July 6, 2020. The two surveys, which occurred on July 6 and July 10, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
07/06/20	Jill Coumoutso
07/10/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of July 6, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on July 6, 2020, the Designated Biologist observed the male singing consistently within the previously documented territory and feeding at least one fledgling. The female was observed briefly during this survey. During the survey conducted on July 10, 2020 the male was observed singing and feeding at least two fledglings. The female was not observed during this survey. On July 9, 2020, the least Bell's vireo Designated Biologist on-site for construction monitoring observed the least Bell's vireo family group

approximately 700 feet northeast of the nesting location. The male was observed singing consistently and being followed by four other vireo individuals exhibiting begging behavior. At least three were fledglings. It is possible that the fourth individual was the female and not a fledgling but it could not be confirmed by the Designated Biologist while construction monitoring. The family group continued moving to the northwest. The family group continues to be present at the Project site during surveys and the fledglings, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations may indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities will resume within the 300-foot buffer. Restoration activities will be limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities will begin at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 6, 2020.

Least Bell's Vireo Noise Monitoring

Noise monitoring for the week of July 6, 2020 occurred on July 10, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:56 am and 3:19 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Noise monitoring occurred during the week of July 13, 2020 (the results of which will be presented in the subsequent memo). However, per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities will be stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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

Ms. Christine Medak
July 20, 2020
Page 4 of 4

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

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

Attachments:

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

Attachment B – Noise Monitoring Graphs

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008 Devils Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVI_monitoring_20200528.mxd (WAG)-mguidry 6/15/2020

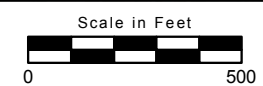
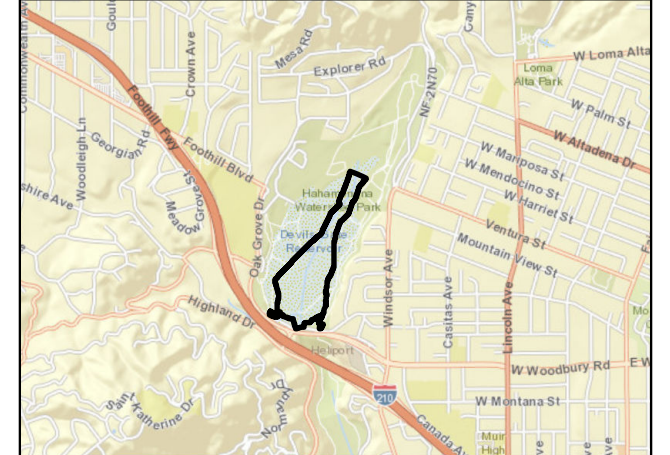


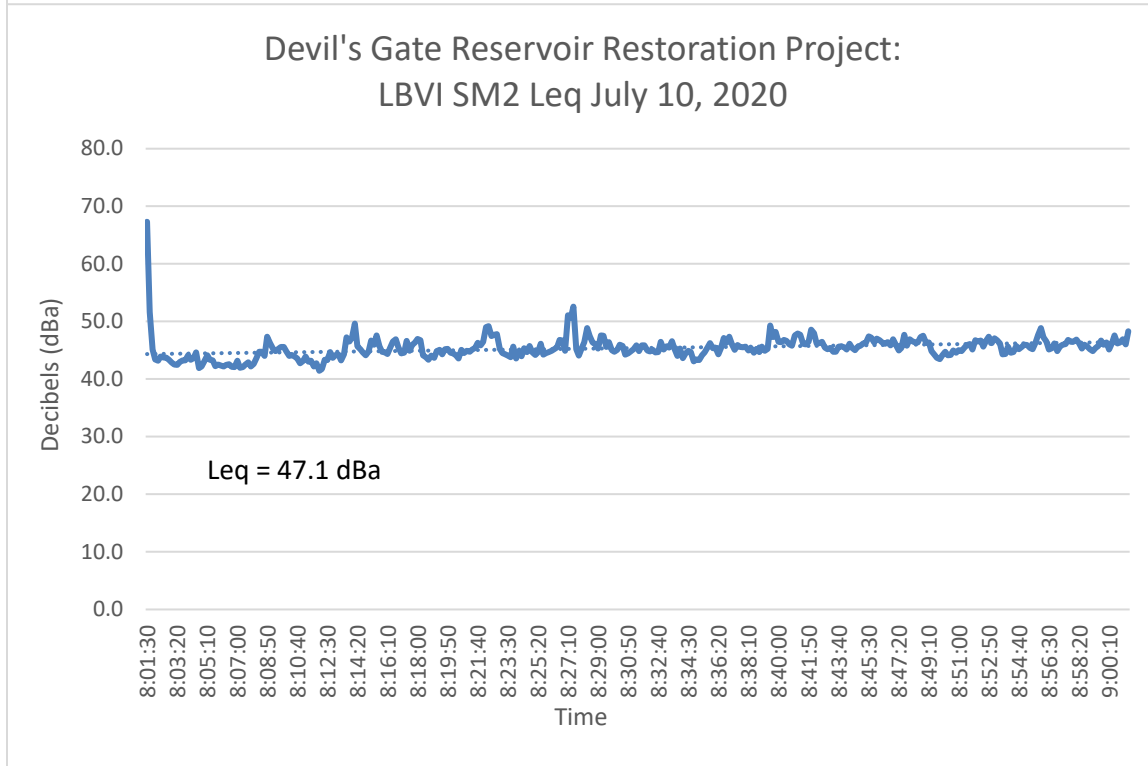
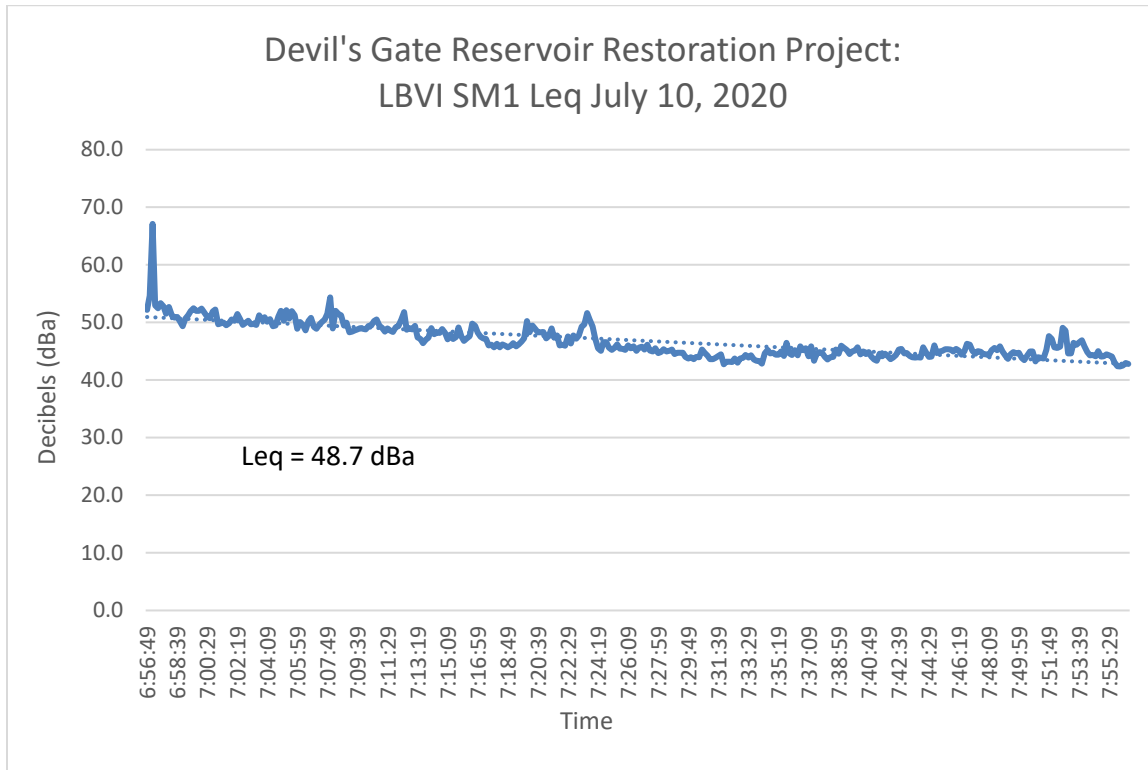
Figure 1.
Least Bell's Vireo Monitoring
July 6-10, 2020

Map Features

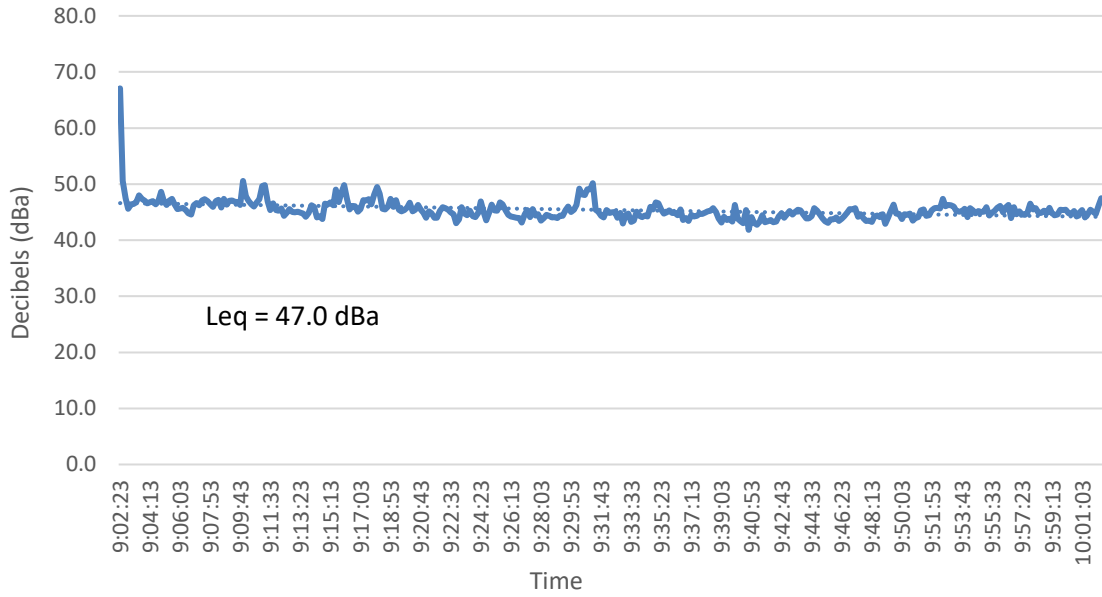
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

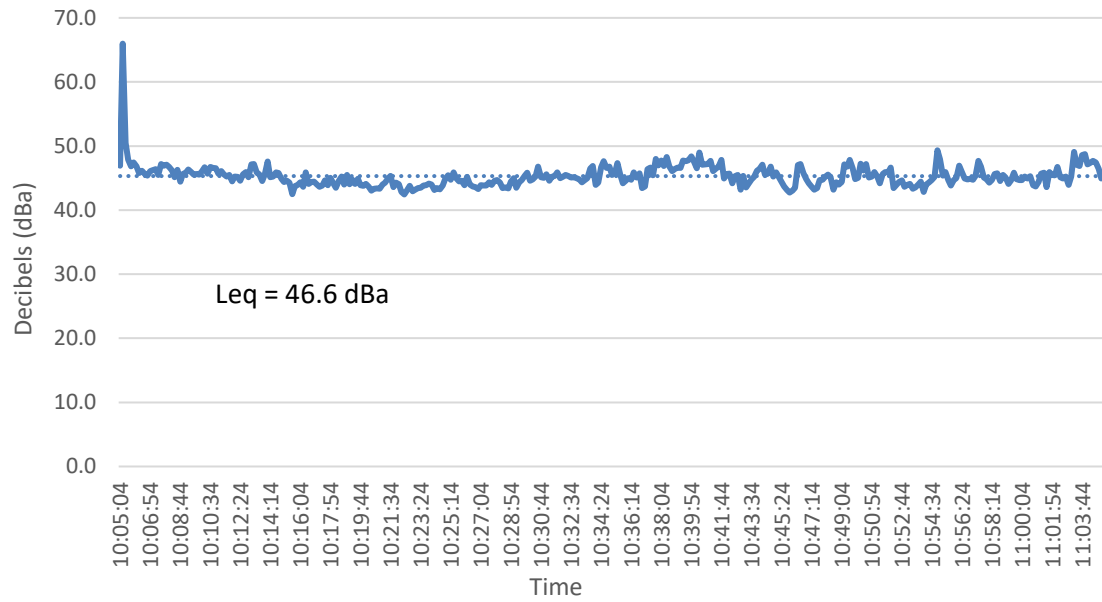




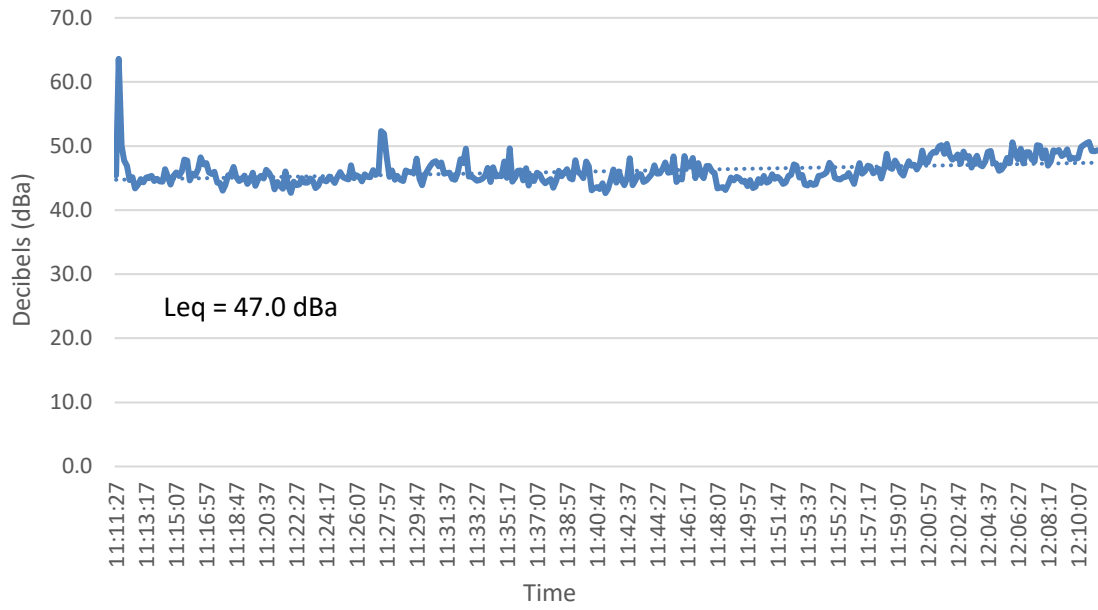
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LBVI SM3 Leq July 10, 2020



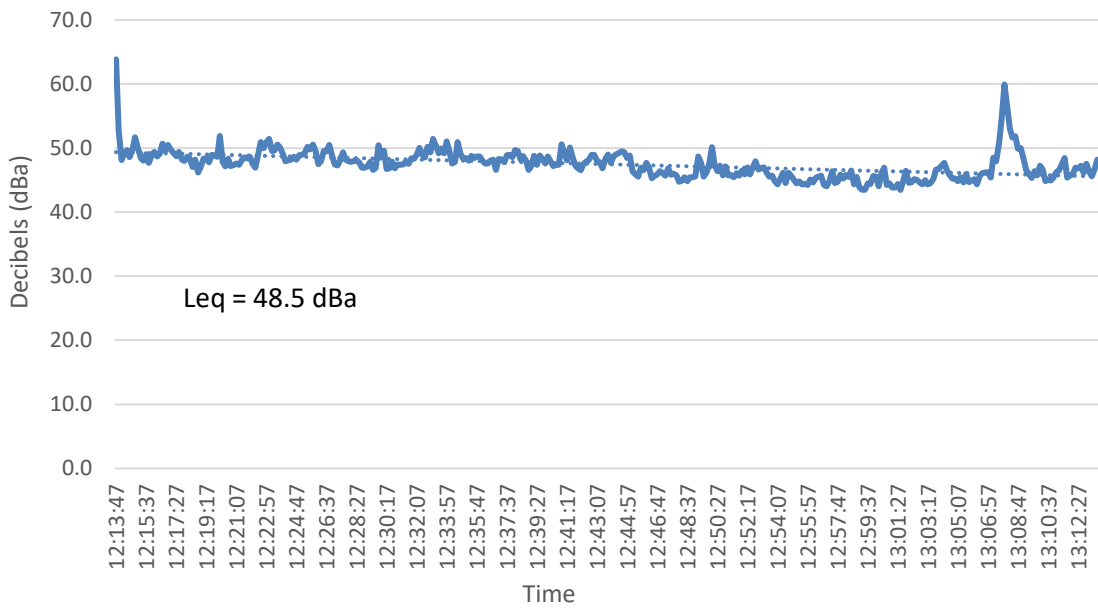
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LBVI SM4 Leq July 10, 2020



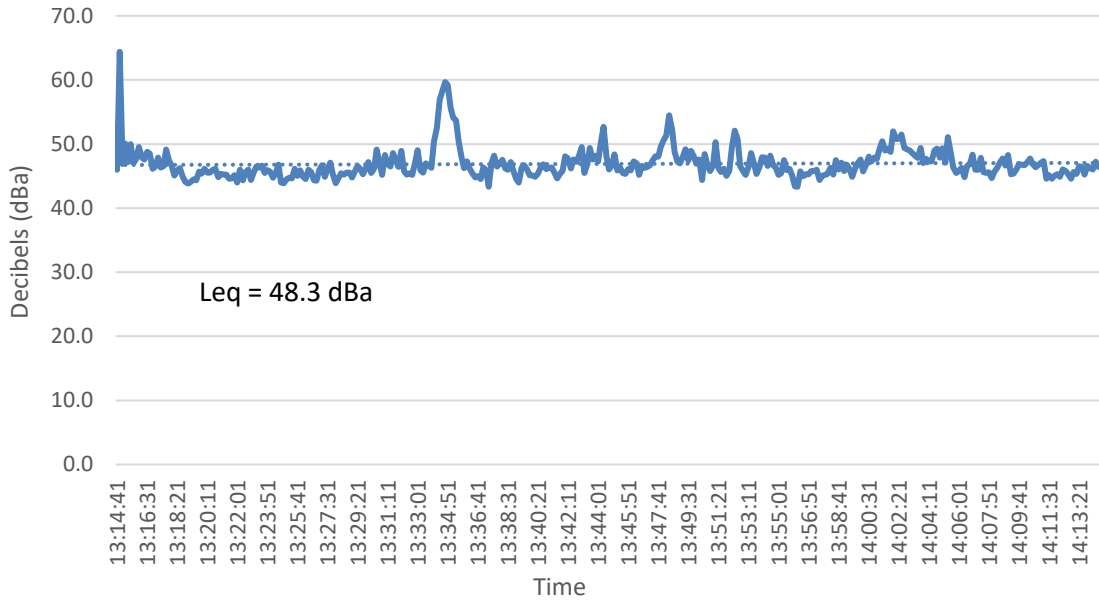
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LBVI SM5 Leq July 10, 2020



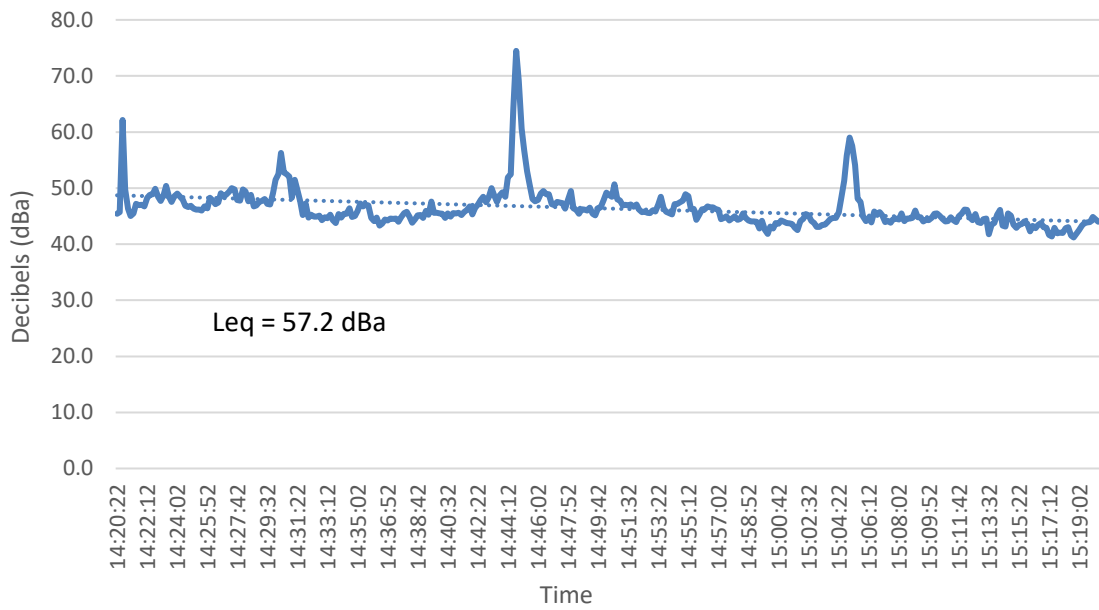
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq July 10, 2020



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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: July 22, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 13 – July 17, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of July 13, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of July 13, 2020 are included as attachments.

Project Activities – Week of July 13, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of July 13, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of July 13, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities began at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys and Noise Monitoring – Week of July 13, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of July 13, 2020. The two surveys, which occurred on July 13 and July 17, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
07/13/20	Jill Coumoutso
07/17/20	Christine Tischer

The least Bell's vireos were documented during surveys conducted during the week of July 13, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on July 13, 2020, the Designated Biologist observed the male singing within the previously documented territory and feeding at least one begging juvenile. During the survey conducted on July 17,

2020 the male was observed singing within and north of the territory and feeding at least two juveniles. One quiet vireo individual was observed in the restoration area south of the equestrian stables. The family group continues to be present at the Project site during surveys and the juveniles, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations may indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 13, 2020.

Least Bell's Vireo Noise Monitoring

Noise monitoring for the week of July 13, 2020 occurred on July 14, 2020. A noise monitoring station was established no less than 100 feet from the previously active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:58 am and 3:11 pm. However, due to technical difficulties with the noise monitoring equipment, noise monitoring readings were not recorded between 12:02 pm and 1:10 pm. The noise monitor did take notes of all atypical noise events during the period when the equipment was not recording and did not record any atypical construction-related noise during this time. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBA. All hourly Leq measurements were below 60 dBA during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBA were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities will be stopped from this point forward until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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

Ms. Christine Medak

July 22, 2020

Page 4 of 4

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

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

Attachments:

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

Attachment B – Noise Monitoring Graphs

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008 Devils Gate Mitigation Plan\MapStos_and_mitigation_monitoring\2020\DC_LBVI_monitoring_20200528.mxd (WAG)-mguidry 6/15/2020

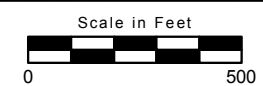
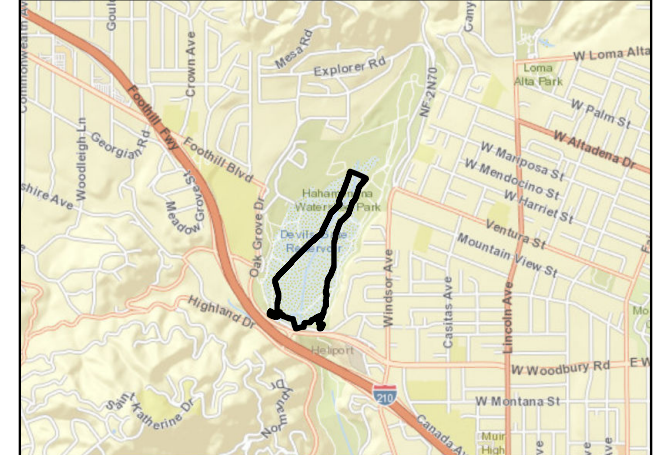


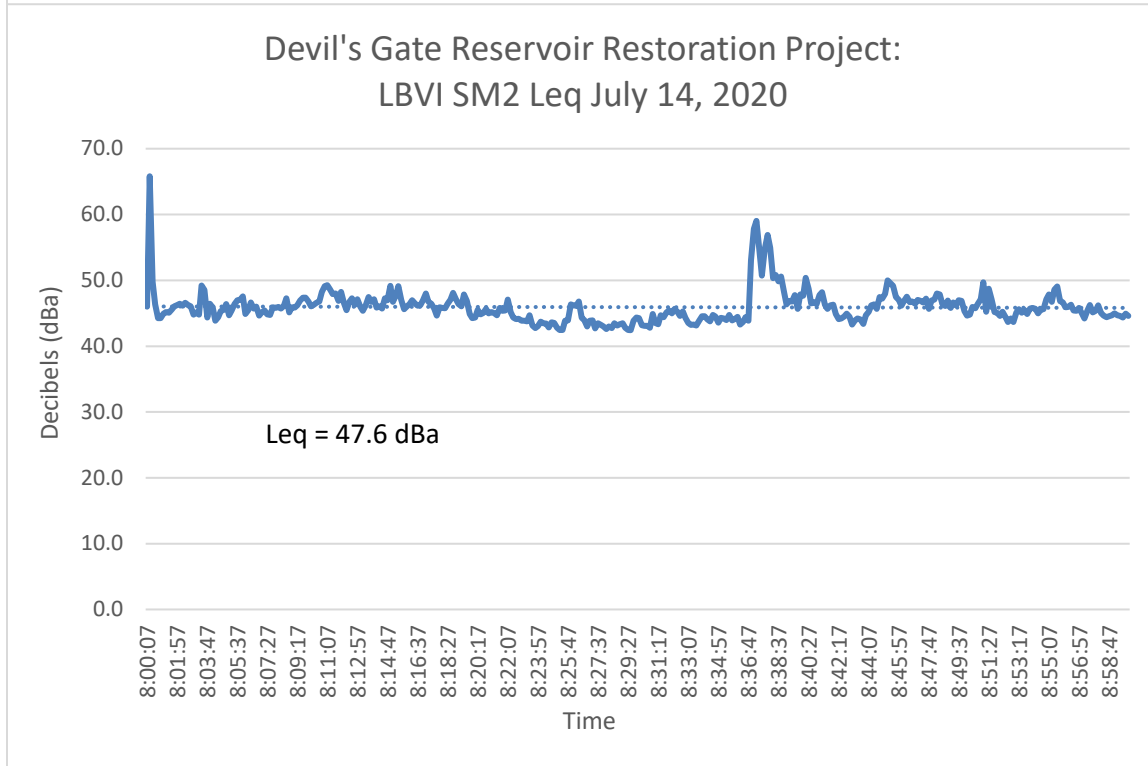
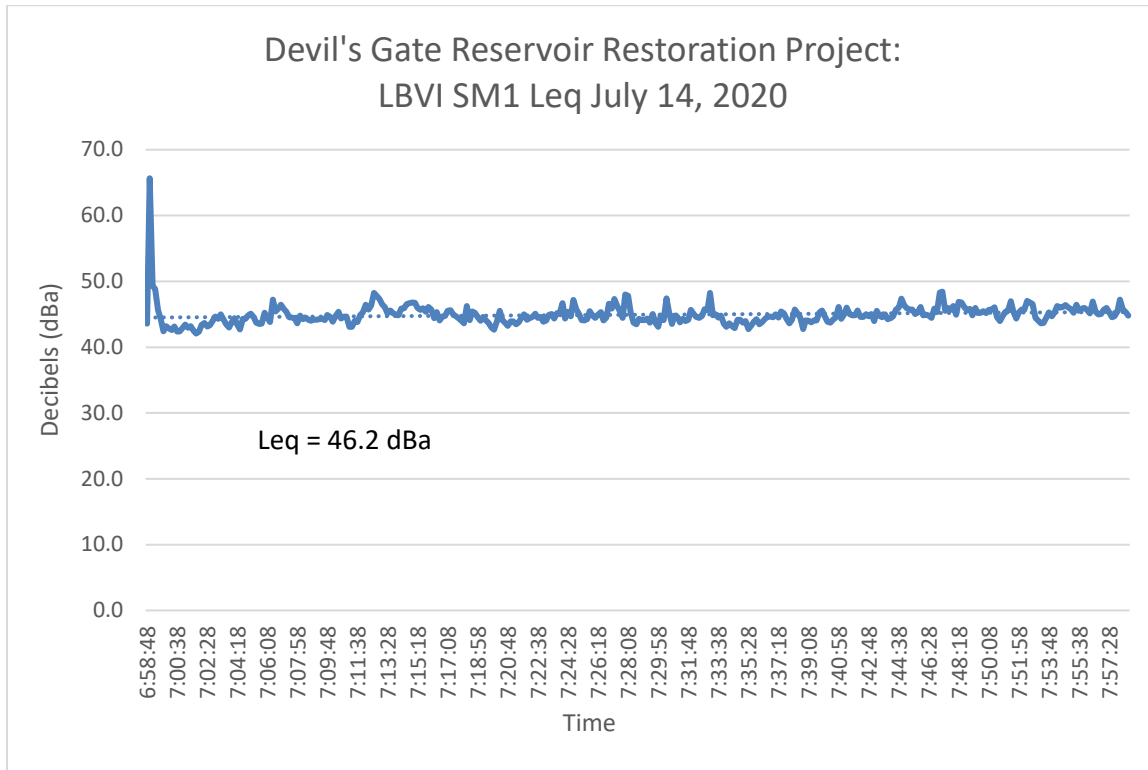
Figure 1.
Least Bell's Vireo Monitoring
July 13-17, 2020

Map Features

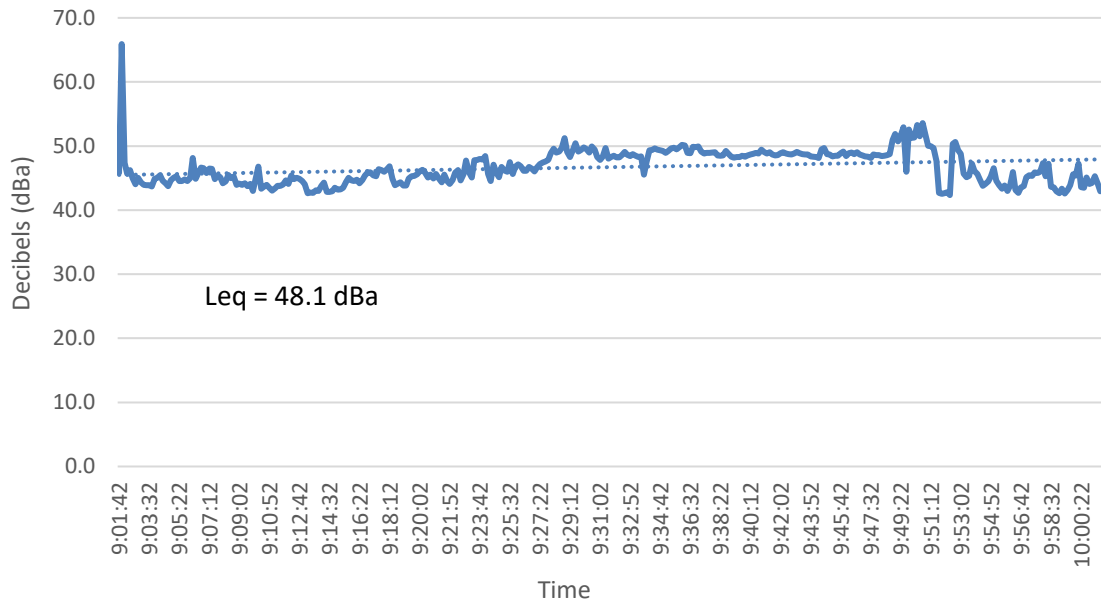
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

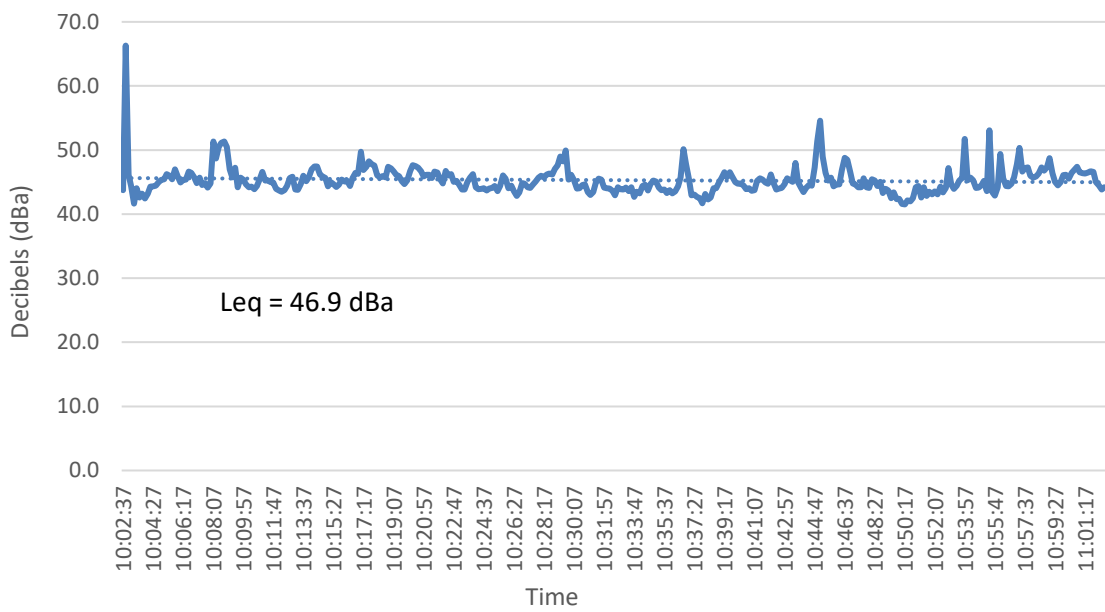




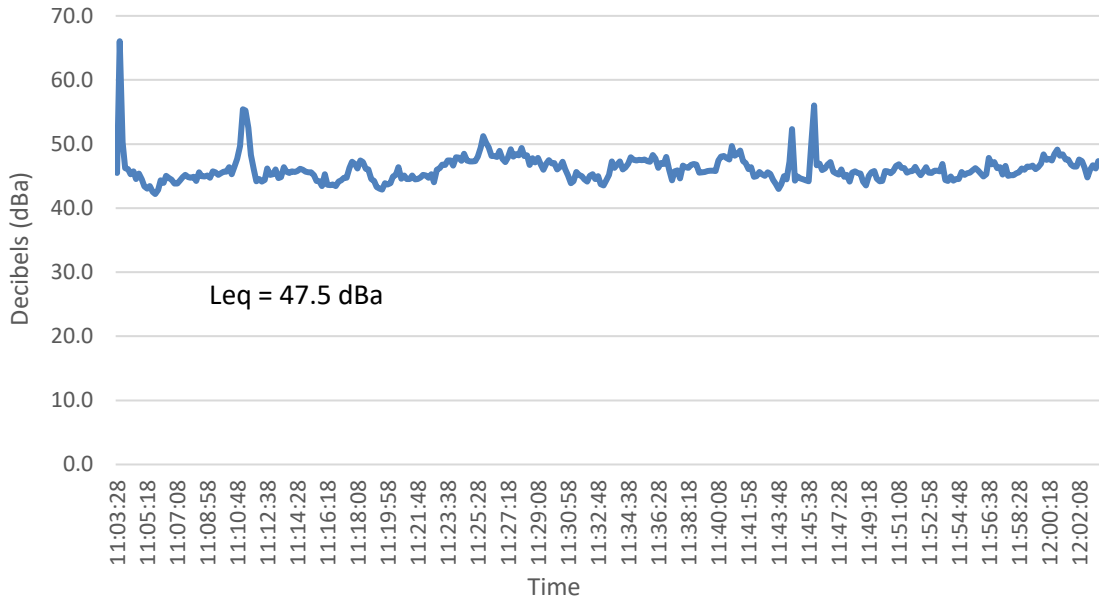
Devil's Gate Reservoir Restoration Project:
LBVI SM3 Leq July 14, 2020



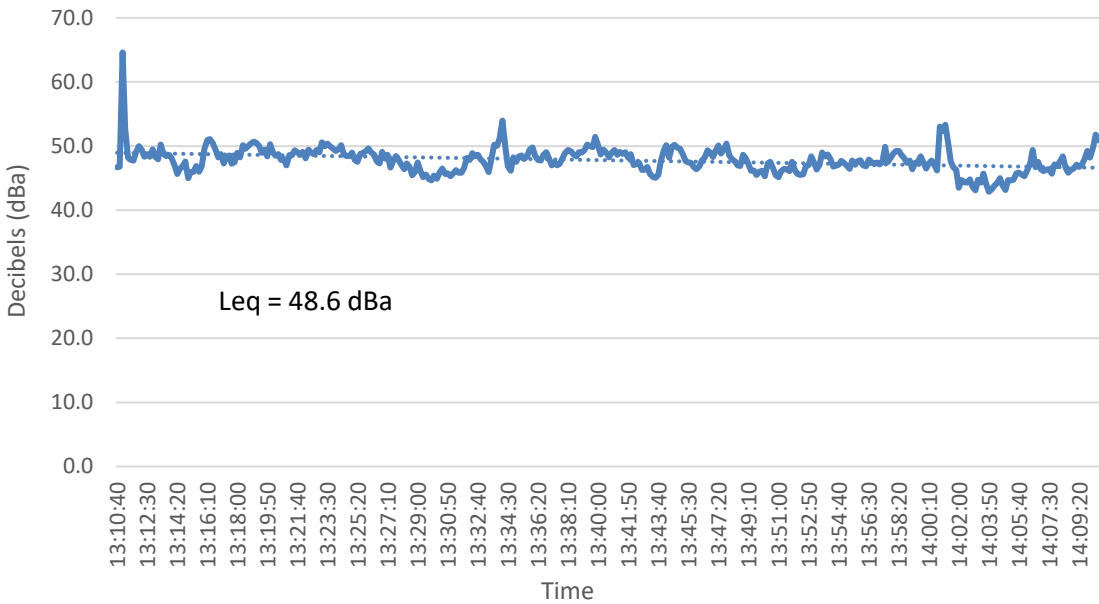
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq July 14, 2020



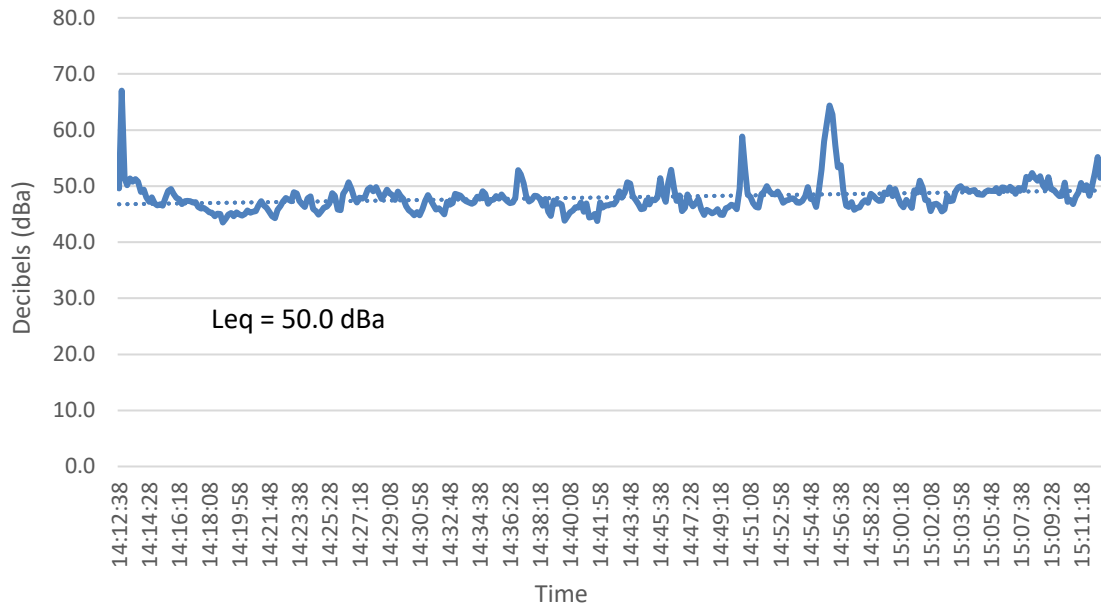
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq July 14, 2020



Devil's Gate Reservoir Restoration Project:
LBVI SM7 Leq July 14, 2020



Devil's Gate Reservoir Restoration Project:
LBVI SM8 Leq July 14, 2020



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: August 3, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 20 – July 24, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of July 20, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of July 20, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of July 20, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of July 20, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of July 20, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities began at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of July 20, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of July 20, 2020. The two surveys, which occurred on July 20 and July 23, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
07/20/20	Shannan Shaffer
07/23/20	Christine Tischer

The least Bell's vireos were documented during surveys conducted during the week of July 20, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on July 20, 2020, the Designated Biologist observed the male singing briefly at the western end of the previously documented territory. During the survey conducted on July 23, 2020, a

singing male was observed within the restoration area approximately 1,200 feet north of the territory. It is possible that the male observed was a migrant individual and not part of the family group. The family group was not observed during focused surveys conducted during the week of July 20, 2020. However, a begging juvenile was observed near the territory by the construction monitor on July 21, 2020. This observation and other observations of least Bell's vireo outside of the territory are depicted in Attachment A. The family group continues to be present at the Project site during surveys and the juveniles, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 20, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

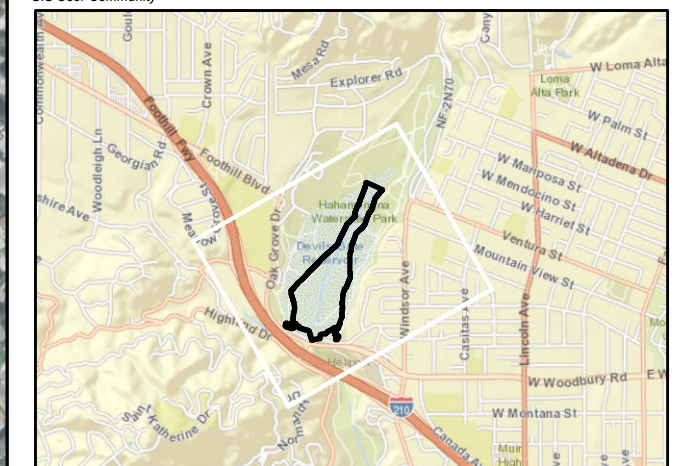
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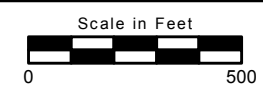
Figure 1.
Least Bell's Vireo Monitoring
July 20-24, 2020

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

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



ECORP Consulting, Inc.
 ENVIRONMENTAL CONSULTANTS



Memorandum

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

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 27 – July 31, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of July 27, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of July 27, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of July 27, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of July 27, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of July 27, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of July 27, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of July 27, 2020. The two surveys, which occurred on July 27 and July 30, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
07/27/20	Jill Coumoutso
07/30/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of July 27, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on July 27, 2020, the Designated Biologist observed the male singing briefly at the western end of the previously documented territory. During the survey conducted on July 31, 2020, the

Designated Biologist observed the male singing briefly at the eastern end of the previously documented territory. The female and juveniles were not observed during the surveys conducted during the week of July 27, 2020. Although the family group was not observed during surveys conducted during the week of July 27, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 27, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:

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





ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003\008 Devils Gate Mitigation Plan\MAPS\os_and_mitigation_monitoring\monitoring\2020\DG_LBVL_monitoring_20200729.mxd (MAG)-Svager 7/29/2020

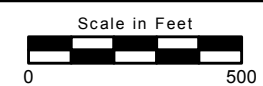
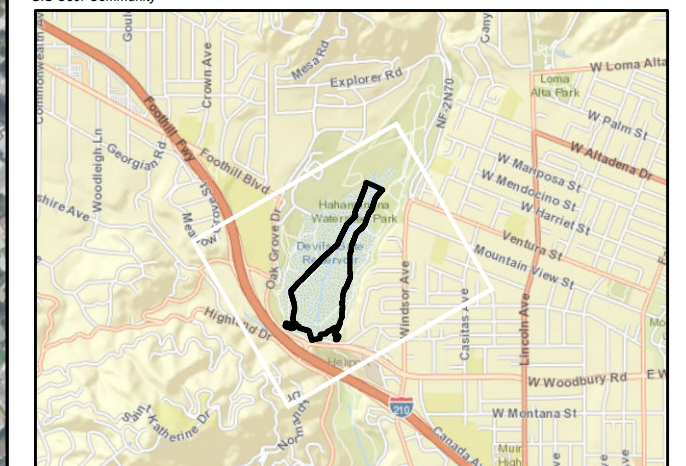
Figure 1.
Least Bell's Vireo Monitoring
July 27-31, 2020

Map Features

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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: August 11, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 3 – August 7, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 3, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of August 3, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of August 3, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of August 3, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 3, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of August 3, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of August 3, 2020. The two surveys, which occurred on August 4 and August 7, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
08/04/20	Jill Coumoutso
08/07/20	Shannan Shaffer

The least Bell's vireos were documented during surveys conducted during the week of August 3, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on August 4, 2020, the Designated Biologist observed the male singing at the western end of the previously documented territory. During the survey conducted on August 7, 2020, the least Bell's

vireos were not observed and the male was not heard singing. During restoration monitoring a single least Bell's vireo male was observed by the restoration monitor singing within the previously documented territory on August 5 and August 7, 2020. The observation on August 7 was of a foraging least Bell's vireo singing a broken unpolished song, which indicates that it may be a juvenile of the family group. The female was not observed during the surveys conducted during the week of August 3, 2020. Although the complete family group was not observed during surveys conducted during the week of August 3, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 3, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

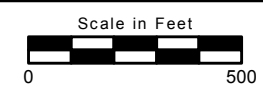
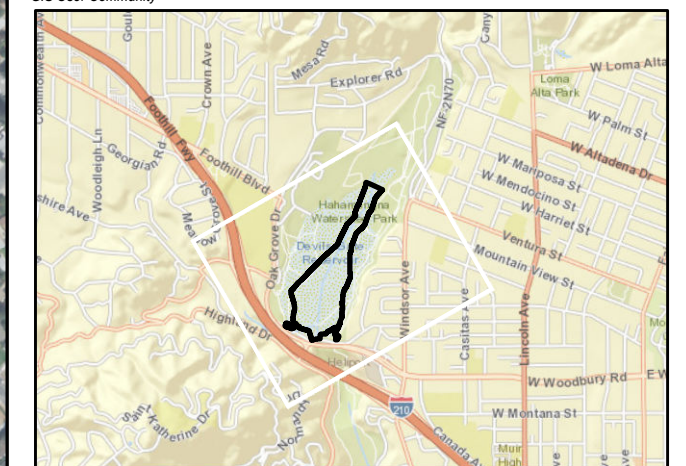
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Figure 1.
Least Bell's Vireo Monitoring
August 3-7 2020

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

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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: August 19, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 10 – August 14, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 10, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of August 10, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of August 10, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of August 10, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 10, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of August 10, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of August 10, 2020. The two surveys, which occurred on August 10 and August 14, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
08/10/20	Shannan Shaffer
08/14/20	Shannan Shaffer

The least Bell's vireos were not documented during focused surveys conducted during the week of August 10, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. While the least Bell's vireos were not detected during focused surveys, observations of least Bell's vireo were made by restoration monitors during restoration monitoring occurring the week of August 10, 2020.

During restoration monitoring, a single least Bell's vireo male was heard by the restoration monitor singing within the previously documented territory on August 11, 12, and 14, 2020. Although the complete family group was not observed during surveys conducted during the week of August 10, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 10, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

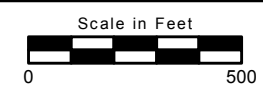
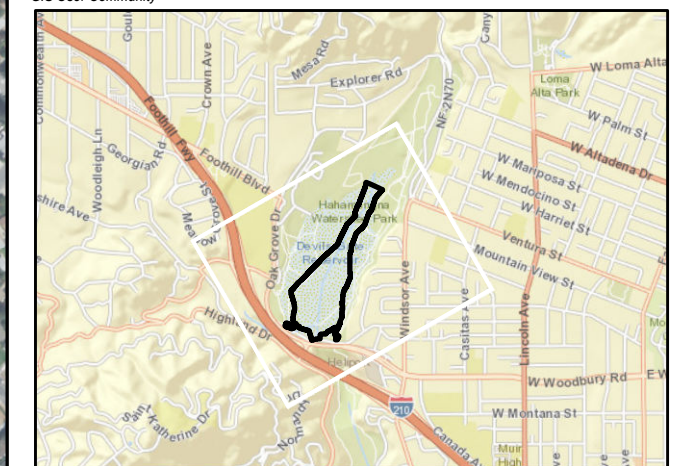
Location: N:\2014\2014-003\008 Devils Gate Mitigation Plan\MAPS\os_and_mitigation_monitoring\monitoring\2020\DG_LBVL_monitoring_20200729.mxd (MAG)-Svager 7/29/2020



Figure 1.
Least Bell's Vireo Monitoring
August 10-14, 2020

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

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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: August 27, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 17 – August 21, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 17, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of August 17, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of August 17, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of August 17, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 17, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of August 17, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of August 17, 2020. The two surveys, which occurred on August 17 and August 21, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
08/17/20	Shannan Shaffer
08/21/20	Christine Tischer

The least Bell's vireos were documented during focused surveys conducted during the week of August 17, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. A. During the survey conducted on August 17, 2020, the Designated Biologist observed the male singing at the northern end of the previously documented territory. During the survey conducted on August 21,

2020, the Designated Biologist observed the male singing at the center of the previously documented territory. On August 17 and 20, 2020, the least Bell's vireo Designated Biologist on-site for construction monitoring observed a least Bell's vireo male singing northeast of the nesting location. During restoration monitoring on August 21, 2020 a single least Bell's vireo male was observed by the restoration monitor singing within the previously documented territory. The female was not observed during the surveys conducted during the week of August 17, 2020. Although the complete family group was not observed during surveys conducted during the week of August 17, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 17, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:







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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

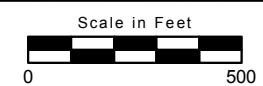
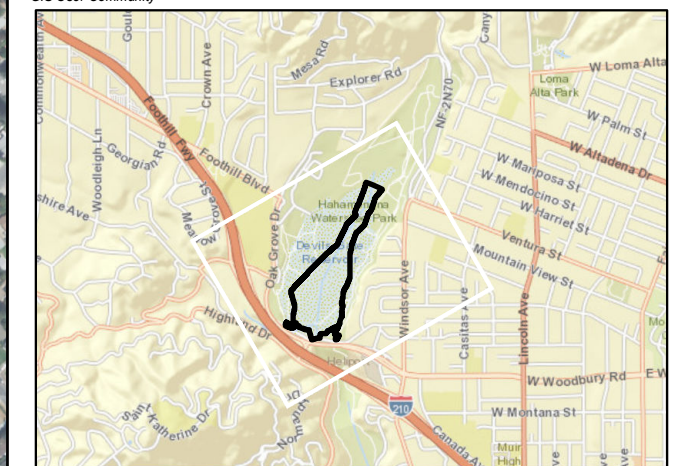
Location: N:\2014\2014-003_008_Devil's Gate Mitigation Plan\MapDocs_and_mitigation_monitoring\2020\DC_LBVL_monitoring_2020\729.mxd (MAG)-mguidry 8/27/2020

Figure 1.
Least Bell's Vireo Monitoring
Week of August 17-21, 2020

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



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Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: September 2, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 24 – August 28, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 24, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of August 24, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of August 24, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of August 24, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 24, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of August 24, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of August 24, 2020. The two surveys, which occurred on August 24 and August 28, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
08/24/20	Shannan Shaffer
08/28/20	Shannan Shaffer

The least Bell's vireos were documented during focused surveys conducted during the week of August 24, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on August 24, 2020, the least Bell's vireos were not observed and the male was not heard singing. During the survey conducted on August 28, 2020, the Designated Biologist observed

the male singing at the northwestern end of the previously documented territory. The female was not observed during the surveys conducted during the week of August 24, 2020. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of August 24, 2020. Although the complete family group was not observed during surveys conducted during the week of August 24, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 24, 2020.

Least Bell's Vireo Noise Monitoring

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008 Devils Gate Mitigation Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVL_monitoring_20200729.mxd (MAG)-mguidry 8/27/2020

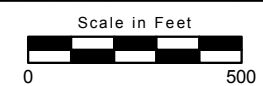
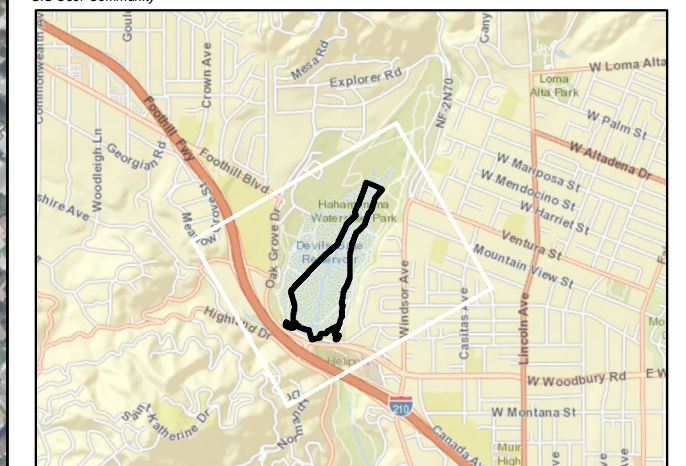
Figure 1. Least Bell's Vireo Monitoring Week of August 24-28, 2020

Map Features

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



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Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: September 14, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 31 – September 4, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 31, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of August 31, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of August 31, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of August 31, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 31, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of August 31, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of August 31, 2020. The two surveys, which occurred on August 31 and September 4, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
08/31/20	Shannan Shaffer
09/04/20	Christine Tischer

The least Bell's vireos were not documented during focused surveys conducted during the week of August 31, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the surveys conducted on August 31 and September 4 the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of August 31, 2020. As the least

Bell's vireos were not observed during surveys conducted during the week of August 31 (and have not been observed since the focused survey conducted on August 28, 2020), it is likely that the least Bell's vireo family group has left the Project site for the season. Twice-weekly focused surveys will continue until the end of the recognized least Bell's vireo breeding season (September 15). After September 15th (and upon concurrence with USFWS), twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the year in the fall, assuming no additional observations of least Bell's vireo have been made in the interim. Upon concurrence with USFWS, limitations on restoration activities within the 300-foot buffer will be lifted after September 15th, assuming that no observations of least Bell's vireo have been made in the interim.

Least Bell's Vireo Noise Monitoring

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point. Based on observations during weekly surveys, it is likely that the vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is anticipated to be complete (upon receiving concurrence from UFSWS), assuming that sediment removal activities remain at a distance further than was previously monitored prior to September 15th.

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



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

Attachments:







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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

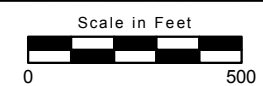
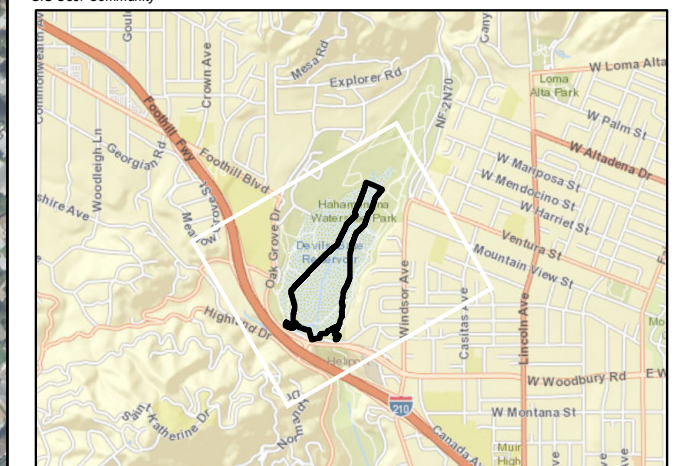
Location: N:\2014\2014-003_008_Devil's Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVL_monitoring_20200729.mxd (MAG)-mguidry 8/27/2020

Figure 1.
Least Bell's Vireo Monitoring
Week of Aug 31-Sept 4, 2020

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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: September 17, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of September 7 – 11, 2020

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of September 7, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

Project Activities – Week of September 7, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of September 7, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of September 7, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of September 7, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

Least Bell's Vireo Surveys – Week of September 7, 2020

Focused Least Bell's Vireo Surveys

Two focused least Bell's vireo surveys were conducted during the week of September 7, 2020. The two surveys, which occurred on September 7 and 11, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Date	Surveyor
09/07/20	Shannan Shaffer
09/11/20	Christine Tischer

The least Bell's vireos were not documented during focused surveys conducted during the week of September 7, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the surveys conducted on September 7 and 11, the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of September 7, 2020.

As the least Bell's vireos were not observed during surveys conducted during the week of September 7 (and have not been observed since the focused survey conducted on August 28, 2020), it is likely that the least Bell's vireo family group has left the Project site for the season. Focused surveys will continue until the end of the recognized least Bell's vireo breeding season (September 15). After September 15th, twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the calendar year, assuming no additional observations of least Bell's vireo have been made in the interim. Upon concurrence with USFWS, limitations on restoration activities within the 300-foot buffer will be lifted after September 15th, assuming that no observations of least Bell's vireo have been made in the interim.

Least Bell's Vireo Noise Monitoring

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point. Based on observations during weekly surveys, it is likely that the vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is anticipated to be complete (upon receiving concurrence from UFSWS), assuming that sediment removal activities remain at a distance further than was previously monitored prior to September 15th.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008_Devil's Gate Mitigation Plan\MapDocs_and_mitigation_monitoring\2020\DC_LBVL_monitoring_20200729.mxd (MAG)-mguidry 8/27/2020

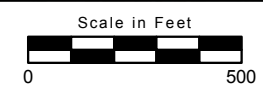
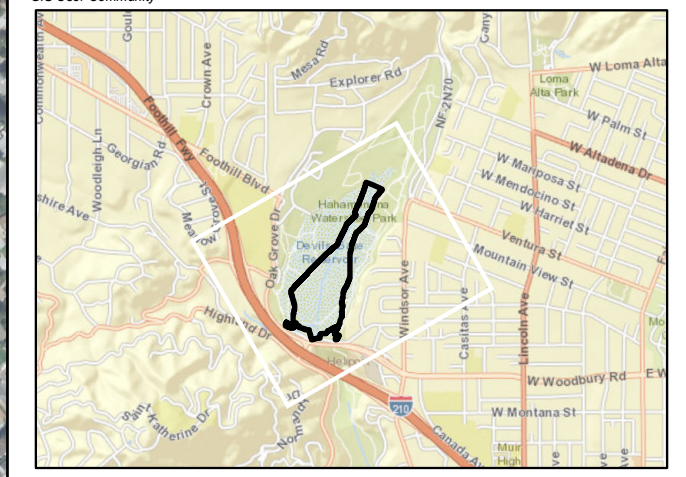
Figure 1.
Least Bell's Vireo Monitoring
Week of Sept 7-11, 2020

Map Features

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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: September 29, 2020

Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of September 14 – 18, 2020 – Final Memo for 2020 Season

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

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

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

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of September 14, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment. The final focused least Bell's vireo survey for the 2020 season was conducted on September 15th, 2020. As such, this will be the final memo for the season.

Project Activities – Week of September 14, 2020

Sediment Removal Activities

Project activities related to sediment removal activities continued during the week of September 14, 2020. All Project activities were monitored by a Designated Biologist through September 15. After September 15th, daily monitoring was replaced with twice-weekly site inspections by the Designated Biologist. Project activities related to sediment removal activities included the following:

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

Restoration Activities

On-site restoration activities were ongoing during the week of September 14, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of September 14, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Per ECORP's email communication with USFWS on September 22, 2020, restrictions on restoration activities within the buffer were lifted for the remainder of the 2020 season as it was determined that the least Bell's vireo family group had left the site for the season.

Least Bell's Vireo Surveys – Week of September 14, 2020

Focused Least Bell's Vireo Surveys

One focused least Bell's vireo survey was conducted during the week of September 14, 2020. The survey, which occurred on September 15, 2020, was conducted as the final focused breeding season survey of the 2020 season (surveys were conducted twice-weekly for the duration of the least Bell's vireo breeding season). The survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The date and personnel for the survey is presented in Table 1.

Date	Surveyor
09/15/20	Christine Tischer

The least Bell's vireos were not documented during the final focused survey on September 15, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey, the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos

were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of September 14, 2020. As the least Bell's vireos were not observed during the final focused survey on September 15, and have not been observed on site since the focused survey conducted on August 28, 2020, it is determined that the least Bell's vireo family group has left the Project site for the season. Focused surveys have concluded for the 2020 season and twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the calendar year. Per ECORP's email communication with USFWS on September 22, 2020, limitations on restoration activities within the 300-foot buffer have been lifted.

Least Bell's Vireo Noise Monitoring

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities had been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos were still occupying the Project site at that point. Based on observations during weekly surveys, the least Bell's vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is complete.

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



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

Attachments:

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

ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

Location: N:\2014\2014-003_008 Devils Gate Mitigation Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVL_monitoring_20200729.mxd (MAG)-mguidry 8/27/2020

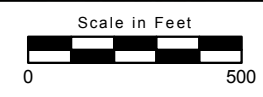
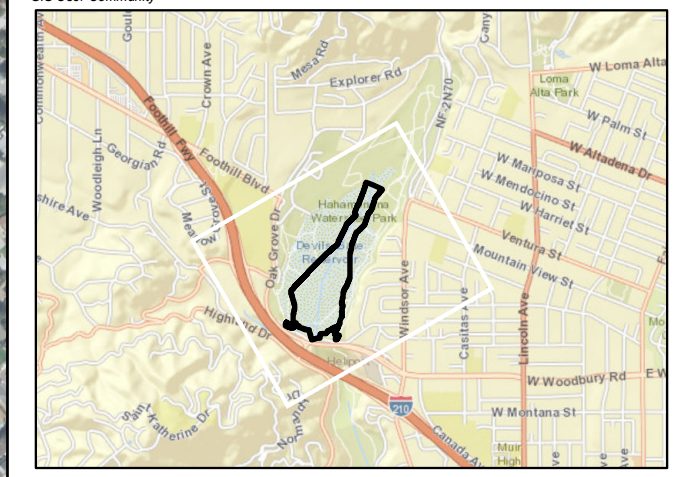
Figure 1. Least Bell's Vireo Monitoring Week of Sept 14-18, 2020

Map Features

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



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



CNDDDB Submission of Least Bell's Vireo Observations

Mail to:
 California Natural Diversity Database
 California Dept. of Fish & Wildlife
 P.O. Box 944209
 Sacramento, CA 94244-2090
 CNDDDB@wildlife.ca.gov

For Office Use Only

Source Code: _____ Quad Code: _____

Elm Code: _____ Occ No.: _____

EO Index: _____ Map Index: _____

Date of Field Work (mm/dd/yyyy): _____

California Native Species Field Survey Form

Scientific Name: _____

Common Name: _____

<p>Species Found?</p> <p style="text-align: center;">Yes No _____ If not found, why?</p> <p>Total No. Individuals: _____ Subsequent Visit? Yes No</p> <p>Is this an existing NDDDB occurrence? _____ No Unk.</p> <p style="text-align: center;">Yes, Occ. #</p> <p>Collection? If yes: _____</p> <p style="text-align: center;">Number Museum / Herbarium</p>	<p>Reporter: _____</p> <p>Address: _____</p> <p>_____</p> <p>E-mail Address: _____</p> <p>Phone: _____</p>
---	--

<p>Plant Information</p> <p>Phenology:</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">% vegetative % flowering % fruiting</p>	<p>Animal Information</p> <table style="width: 100%; text-align: center;"> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td># adults</td> <td># juveniles</td> <td># larvae</td> <td># egg masses</td> <td># unknown</td> </tr> <tr> <td>wintering</td> <td>breeding</td> <td>nesting</td> <td>rookery</td> <td>burrow site</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>lek other</td> </tr> </table>	_____	_____	_____	_____	_____	# adults	# juveniles	# larvae	# egg masses	# unknown	wintering	breeding	nesting	rookery	burrow site					lek other
_____	_____	_____	_____	_____																	
# adults	# juveniles	# larvae	# egg masses	# unknown																	
wintering	breeding	nesting	rookery	burrow site																	
				lek other																	

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

County: _____ Landowner / Mgr: _____

Quad Name: _____ Elevation: _____

T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S Source of Coordinates (GPS, topo. map & type): _____

T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S GPS Make & Model: _____

DATUM: **NAD27** **NAD83** **WGS84** Horizontal Accuracy: _____ meters/feet

Coordinate System: UTM Zone 10 UTM Zone 11 **OR** Geographic (Latitude & Longitude)

Coordinates: _____

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*

Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: _____

Visible disturbances: _____

Threats: _____

Comments: _____

<p>Determination: <i>(check one or more, and fill in blanks)</i></p> <p>Keyed (cite reference): _____</p> <p>Compared with specimen housed at: _____</p> <p>Compared with photo / drawing in: _____</p> <p>By another person (name): _____</p> <p>Other: _____</p>	<p>Photographs: <i>(check one or more)</i> Slide Print Digital</p> <p>Plant / animal</p> <p>Habitat</p> <p>Diagnostic feature</p> <p>May we obtain duplicates at our expense? yes no</p>
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APPENDIX C

Construction Monitoring Logs

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	59 °F	0-3 MPH	100 %
End of Day	15:00	76 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 3 water trucks, 2 excavators, 1 skip loader, haul trucks, approximately 15 personnel. hauling sediment and mowing vegetation

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

parrot sp., cora, coye, casj, calt, spto, yewa, blph, bewr, hofi, lego, side blotched lizard, western toad, rsha

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site. began surveying coye-2 and calt nest areas. both nests have fledged, buffers removed. began surveying vegetation for removal, no bio issues found.

0800 trained 2 new workers

0815 began monitoring vegetation removal near west access road

1030 began clearing vegetation at center of reservoir

1430 completed clearing of vegetation for the day, no bio issues.

1500 conducted final bio sweep and left site.

Additional Comments

N/A

Signature





photo_1-emergent vegetation removal.jpg
-118.17577 34.18724



photo_2-hauling operations.jpg
-118.17579 34.18724



photo_3-emergent vegetation removal.jpg
-118.17457 34.19032

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 2, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:38	62 °F	0-3 MPH	100 %
End of Day	15:10	80 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company, approximately 15 personnel, 2 water trucks, 2 excavators, 1 dozer, 1 skip loader, hauling sediment and mowing vegetation

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

casj, coye, hofi, sosp, calt, spto, cora, parrot sp., yewa, western toad, side blotched lizard, clsw, caki, blph, modo, rsha

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site.

0745 began vegetation removal.

0815 suspected COYE nest, halted removal in the area and moved to adjacent patch, continued removal until 1430 including areas along west access road. relocated 15 western toads.

1510 biologist left site. no bio issues observed

Additional Comments

N/A

Signature





photo_1-vegetation removal.jpg
-118.17465 34.19033



photo_2-vegetation removal.jpg
-118.17583 34.18763

Devil's Gate Monitoring Log

Submitted By: SoCal_Bio

Submitted Time: 07/10/2020 8:01 AM

Project Name

Devil's Gate Reservoir Restoration Project

Date

Jul 6, 2020

Monitor Name

Taylor Dee

Are Additional Monitors Present?

No

List Additional Monitors Present

Start Time

06:30

Start Temperature

65

Start Cloud Cover

0

Start Wind Speed

0-1

End Time

03:15

End Temperature

95

End Cloud Cover

0

End Wind Speed

0-1

Construction Activity and Personnel

Griffith conducting sediment removal, ESA fence installation/maintenance, and removal of weedy emergent vegetation. Two excavators and 1 dozer loading haul trucks and moving dirt. One skip loader clearing weedy emergent vegetation. Two water trucks and 1 blade also operating on site. Fence crew includes 3 Griffith personnel using hand tools to install fence.

What type of monitoring is being conducted?

Construction Monitoring

Was ESA swept prior to start of work?

Yes

Covered Species Observed?

Yes

Which Species were observed?

Yellow warbler

Were Any Non-compliance Issues Observed?

No

Please State What Non-compliance Issues Occurred:

Other Wildlife Species Observed

SPTO, COYE, HOFI, CASJ, BEWR, ALHU, BLPH, CATH, western fence lizard, side-blotched lizard, WTSW, SBMU, EUST, NUWO, LEGO, BHGR, CORA, TUVU, RTHA, coastal whiptail, WREN, PSFL

Topics to Cover on the Next Monitoring Day

Always pick up trash

Log Entry #1

0618 signed in at trailer.

0640 met crew at staging area and went over plan for the day for vegetation clearing with Griffith foreman and skip loader operator.

0700 haul trucks arrived and sediment removal began. Conducted sweep of areas to be cleared north of sediment removal activities near the west side.

0829 surveyed another area to be cleared along southwestern boundary where vegetation would be cleared for reinstalling ESA fence. Monitored vegetation clearing and adjacent fence installation activities.

1430 Vegetation clearing done for the day. Crew is starting clean up activities.

1500 Last haul truck leaving.

1515 signed out of trailer and left site.

Log Entry #1 - Photos taken?

Yes



Vegetation clearing for fence reinstallation on west side.jpg

-118.17672 34.18735



After vegetation clearing and fence reinstallation on west side.jpg

-118.17671 34.18677

Log Completed?

Yes

Signature

A handwritten signature in black ink, consisting of several overlapping, fluid strokes that form an abstract, cursive shape.

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:42	64 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 water trucks, 2 excavators, 1 skip, 1 dozer, approximately 15 personnel hauling sediment and emergent vegetation removal

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

coye, casj, acwo, western toad, side blotched lizard, clsw, blph, hofi, amcr, spto, coyote, cottontail, alligator lizard, deer mouse, western fence lizard, lego

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site.

0710 began clearing emergent vegetation from central work area. Relocated approximately 45 western toads, 1 alligator lizard, 1 deer mouse. no bio issues observed.

1425 completed vegetation removal for the day.

1500 biologist conducted final sweep and left site

Additional Comments

N/A

Signature





photo_1-vegetation removal.jpg
-118.17375 34.18999



photo_2-vegetation removal after.jpg
-118.174 34.19025

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	60 °F	0-3 MPH	0 %
End of Day	14:50	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company hauling sediment and emergent vegetation removal. 2 water trucks, 1 excavator, 1 skip, 1 dozer. Approximately 15 personnel

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

casj, spto, coye, sosp, bars, blph, hofi, lego, bush, western toad, deer mouse, side blotched lizard, amke, cora, rsha

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site

0720 began emergent vegetation removal

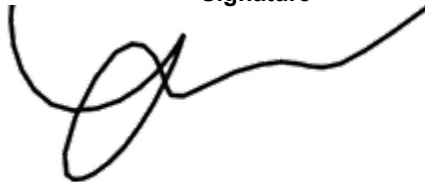
1340 completed vegetation removal, relocated 8 western toads and 1 deer mouse. Conducted final sweep of the site.

1450 biologist left site

Additional Comments

N/A

Signature





photo_1-removal of emergent vegetation.jpg
-118.17392 34.19024



photo_2-loading vegetation into dumpster.jpg
-118.174 34.19016

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 9, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	60 °F	0-3 MPH	0 %
End of Day	14:55	88 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 water trucks, 1 excavator, 1 dozer, 1 skid loader, haul trucks. Hauling sediment and removing emergent vegetation. Approximately 15 personnel

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

Family group of LBVI observed north of known nest location and north of work area. 1 male heard singing frequently and fledglings heard/observed begging. 5 LBVI individuals observed. 1 male adult and other 4 were fledglings, possibly one was female adult

List of species observed while monitoring:

casj, calt, blph, lego, hofi, coye, spto, cora, parrot sp, yewa, lbvi, western toad, deer mouse, side blotched lizard, sosp, bewr, wtsw, clsw, tuvu

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site

0715 began monitoring removal of emergent vegetation. relocated 5 western toads

1310 vegetation clearing done for the day.

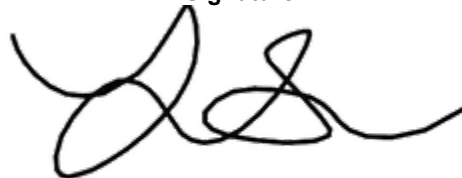
1445 biologist conducted final sweep of site

1455 biologist left site

Additional Comments

N/A

Signature





photo_1-removal of emergent vegetation.jpg
-118.17398 34.19038



photo_2-hauling activities.jpg
-118.17413 34.18976

Devil's Gate Monitoring Log

Submitted By: SoCal_Bio

Submitted Time: 07/13/2020 1:42 PM

Project Name

Devil's Gate Reservoir Restoration Project

Date

Jul 10, 2020

Monitor Name

Taylor Dee

Are Additional Monitors Present?

No

List Additional Monitors Present

Start Time

06:19

Start Temperature

63

Start Cloud Cover

0

Start Wind Speed

0-1

End Time

15:15

End Temperature

93

End Cloud Cover

0

End Wind Speed

0-1

Construction Activity and Personnel

Griffith conducting sediment removal, ESA fence installation/maintenance, and removal of weedy emergent vegetation. Two excavators and a dozer loading haul trucks and moving dirt. One skip loader clearing weedy emergent vegetation and moving dirt. Two water trucks and 1 blade also operating on site.

What type of monitoring is being conducted?

Construction Monitoring

Was ESA swept prior to start of work?

Yes

Covered Species Observed?

Yes

Which Species were observed?

Yellow warbler

Were Any Non-compliance Issues Observed?

No

Please State What Non-compliance Issues Occurred:

Other Wildlife Species Observed

SPTO, CASJ, parrot sp., COYE, WREN, CALT, BLPH, SOSP, BUSH, western fence lizard, ANHU, ACWO, LEGO, CORA, HOFI, western side-blotch lizard, western fence lizard, coastal whiptail, California ground squirrel, TUVU

Topics to Cover on the Next Monitoring Day

N/A

Log Entry #1

0619 signed in at trailer.

0630 Notified Griffith foreman that I would be in the reservoir surveying before construction began. Surveyed area planned for vegetation clearing.

0700 sediment removal activities began.

0709 Skip loader and water truck arrived and began clearing weedy emergent vegetation primarily consisting of perennial pepperweed. Monitored vegetation clearing and surveyed remaining vegetated areas ahead of skip loader.

1430 Skip loader operator said no more vegetation clearing until Monday.

1509 Work done for the day.

1515 signed out of trailer and left site. No impacts to special-status resources observed.

Log Entry #1 - Photos taken?

No

Log Completed?

Yes

Signature

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

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Adam Schroeder
Date of Log: Jul 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	68 °F	0-3 MPH	0 %
End of Day	14:54	89 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing, grading, sediment hauling
2. One skiploader, two excavators, one blade, one bulldozer, three water trucks, 60 bottom dump trucks
3. Eight Griffith personnel (foreman Joe)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

COYE, CORA, RSHA, LEGO, CASJ, CLSW, RLPA, ANHU, ROPI, SPTO, common side-blotched lizard, western toad, coastal whiptail, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700- monitored sediment removal activities.

0715- monitored skiploader removing cleared vegetation and loading it into dumpsters.

0958- monitored vegetation clearing north of the scale house. Relocated 12 western toads, two common side-blotched lizards, and two western fence lizards.

Additional Comments

N/A

Signature





Vegetation_removal_during_facingS.jpg
-118.17436 34.19021



Sediment_removal_activities.jpg
-118.17423 34.18969



Vegetation_clearing_during_facingNE.jpg
-118.17363 34.19035

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	70 %
End of Day	15:15	82 °F	0-3 MPH	30 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitored vegetation removal with Victor on skid loader

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT SPTO NRWS CASJ BEWR LBVI CORA WREN COYE western whiptail, western fence lizard, desert cottontail, California ground squirrel, red-crowned parrots, western harvest mouse, western toad, deer mouse, gopher snake

Did You Observe any Non-Compliance Issues? Yes No

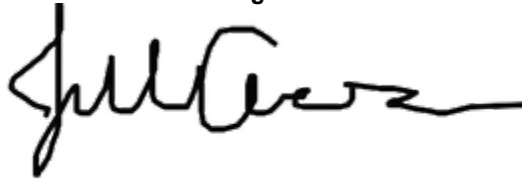
Log Entry

7:00-3:00 vegetation removal monitoring with Victor on skid loader on platform northwest of weigh station. Relocated three California toads, gopher snake, deer mouse, and western harvest mouse.

Additional Comments

N/A

Signature





Vegetation_removal_before_facing_NE.jpg
-118.17458 34.19036



Vegetation_removal_after_facing_NE.jpg
-118.17431 34.19045

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	18:45	64 °F	0-3 MPH	75 %
End of Day	15:00	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Victor on skid loader

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

Male singing with 1 fledgling nearby. Seen in restoration area west of their nest area. Male singing from several perches.

List of species observed while monitoring:

LEGO ATFL CASJ CALT COYE LBVI WREN HOFI SPTO CAQU family RSHA BUSH CORA western toad, western fence lizard, western whiptail, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

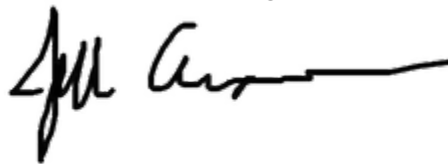
Log Entry

Monitored vegetation removal with Victor on skid loader on platform northwest of the weigh station. Relocated 4 California toads, 1 western whiptail, and 1 western fence lizard. Observed least bells vireo male and fledgling during breaks from vegetation removal.

Additional Comments

N/A

Signature





Sediment_movement_facing_S.jpg
-118.17606 34.18908



Vegetation_removal_facing_N.jpg
-118.17427 34.1902



Vegetation_removal_facing_N.jpg
-118.1742 34.19035

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 16, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	0 %
End of Day	14:56	83 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 excavators, 2 water trucks, 1 skip, 1 dozer, haul trucks. approximately 15 personnel. hauling sediment

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

calt, casj, spto, lego, coye, yewa, blph, parrots, rsha, western toad, caqu, clsw, hofi, anhu, alhu, cora, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site.

0715 monitored removal of vegetation debris piles and emergent vegetation. relocated 20 western toads and 2 western fence lizards.

1430 vegetation removal complete, biologist conducted final sweep.

1455 biologist left site

Additional Comments

N/A

Signature





Photo_1-removal of debris piles.jpg
-118.17445 34.18993



Photo_2-sediment removal activities.jpg
-118.1745 34.18983

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Max Murray
Date of Log: Jul 17, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:40	93 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. A skip loader and an excavator
3. Coordinated with Joe and John from Griffith; worked with Victor, the skiploader operator

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CORA, CALT, COYE, MODO, SOSP, BLPH, SAPH, RSHA, BUSH, LEGO, ACWO, WEBL, SPTO, western toad, coastal whiptail, California king snake, vole, side-blotched lizard, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 - arrive onsite
0645 - clear vegetation before removal
0700 - hauling begins, begin monitoring vegetation clearing
1440 - end monitoring

Additional Comments

Signature





Vegetation_clearing_before_facingN.jpg
-118.1745 34.18996



Vegetation_clearing_during_facingSW.jpg
-118.17406 34.19052



Vegetation_clearing_during_facingN.jpg
-118.17634 34.1871



Vegetation_clearing_after_facingN.jpg
-118.17442 34.19001

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	55 °F	0-3 MPH	0 %
End of Day	15:00	83 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith company, 1 dozer 1 excavator 2 water trucks 1 skip, approximately 15 personnel, mowing and sediment removal

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

lego, caki, psfl, bhgb, hofi, spto, coye, yewa, alhu, anhu, bewr, bars, clsw, cora, blph, western toad, western fence lizard, side blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site. Staked buffers for LEGO-5 and LEGO-6, informed contractor of active nests and presence of no work buffer.

0745 began monitoring emergent vegetation removal and deposit of debris into dumpster, relocated approximately 35 western toads and 2 western fence lizards.

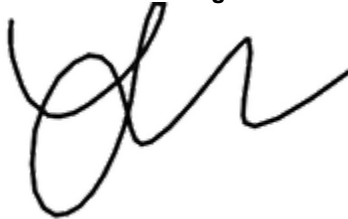
1405 mowing done for day.

1500 biologist left site.

Additional Comments

N/A

Signature





Photo_1-no work buffer around lego nests.jpg
-118.17673 34.18824



Photo_2-emergent vegetation removal.jpg
-118.17418 34.19015

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	0 %
End of Day	16:30	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitor vegetation removal with Victor on skiploader

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

Heard one fledgling begging adjacent to areas where we were doing vegetation removal

List of species observed while monitoring:

CALT HOFI CORA COHA CAQU CASJ SAPH RSHA SOSP LBVI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored vegetation pile removals and vegetation removal with Victor. Relocated about 30 western toads. Also monitored rock removal and vegetation removal with excavator

Additional Comments

N/A

Signature





Vegetation_pile_removal_facing_W.jpg
-118.17389 34.19015



Hauling_vegetation_piles_facing_E.jpg
-118.17396 34.19035



Vegetation_removal_facing_E.jpg
-118.17667 34.18727



Rock_vegetation_removal_facing_S.jpg
-118.17583 34.18766

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 22, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	75 %
End of Day	15:00	81 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitor vegetation removal with Victor on skiploader

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HUVI HOFI CORA YEWA SOSP ALHU CAQU western fence lizard, western whiptail, western toad, red-crowned parrot

Did You Observe any Non-Compliance Issues? Yes No

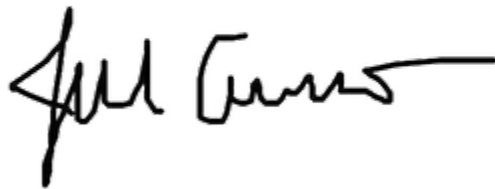
Log Entry

Monitored vegetation clearing in the southwest corner with Victor on skiploader. Relocated a few western toads and a western whiptail. 2 HOFI fledglings were in this area, so I kept vegetation on the side slopes of the drainage ditch for them to use. Moved over to area west of weigh station to remove vegetation. Stakes were missing in this area so I used the collector app to place yellow flagging where the fence line should be.

Additional Comments

N/A

Signature





Vegetation_removal_before_facing_E.jpg
-118.17653 34.18723



Vegetation_removal_after_facing_E.jpg
-118.17688 34.18721

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Taylor Dee
Date of Log: Jul 23, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:37	64 °F	0-3 MPH	100 %
End of Day	14:53	89 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith conducting sediment removal activities and clearing emergent weedy vegetation. 2 excavators loading haul trucks, 1 blade and 2 water trucks operating. 1 skip loader operated by Victor (Savala).

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SPTO, CASJ, parrot sp., COYE, WREN, CALT, BLPH, SOSP, BUSH, western fence lizard, AMCR, ANHU, LEGO, HOFI, coastal whiptail, California ground squirrel, TUVU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0636 signed in at trailer. Met with Griffith foreman.

0655 met skip loader operator at staging area and mobilized to work area. Plan to monitor skip loader removing emergent vegetation along fence within project site in preparation for crew to push off fence (remove and reinstall fence) along project boundary on west side.

0659 haul trucks arrived.

0700 surveyed area to be cleared, no biological concerns observed.

0715 began monitoring removal of emergent vegetation.

1130 met with John (Griffith) and Victor on east side where emergent vegetation planned to be removed for reinstallation of haul road. No biological concerns observed. Monitored removal of vegetation which was primarily non-native. After vegetation cleared, skip loader filled in one ditch.

1423 vegetation removal done for the day. Griffith began site clean up.

1453 signed out at trailer.

Additional Comments

N/A

Signature





Vegetation_removal_west_side_during_facingSW.jpg
-118.17552 34.18955



Vegetation_removal_for_haul_road_during_facingSE.jpg
-118.17391 34.18646



Vegetation_clearing_activities.jpg
-118.17391 34.18652

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:43	65 °F	0-3 MPH	100 %
End of Day	14:50	83 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith company 1 excavator 1 blade 1 dozer 1 skip 2 water trucks. Approximately 15 personnel, hauling sediment

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

anhu, cora, parrots, sbmu, rwbl, clsw, calt, hofi, rsha, western toad, bars, coastal whiptail, side-blotched lizard, lego, yewa, deer mouse

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrive on site.

0700 begin monitoring skip removing emergent vegetation in southeast corner to prepare for alternative truck access route, relocated 4 western toads.

1200 finished at southeast corner, began clearing around ESA fenceline west of scalehouse to move fence back to intended alignment.

1425 done with clearing for the day

1450 biologist conducted final clearance of site and left site.

Additional Comments

N/A

Signature





photo_1-clearing at southeast corner.jpg
-118.17402 34.18645



photo_2-hauling operations.jpg
-118.17394 34.18655



photo_3-clearing along western fenceline.jpg
-118.17586 34.18927

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Carley Lancaster
Date of Log: Jul 27, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	0 %
End of Day	14:45	82 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith crew removed vegetation along the western extent of the reservoir. Vegetation was removed using one skip loader and two water trucks. Crew consisted of one foreman and three equipment operators. In addition, excavation of sediment material using one excavator, two water trucks, and numerous haul trucks, was observed within the cleared portions of reservoir I.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

cottontail, MODO, NOMO, HOFI, CORA, ROPI, RTHA, LEGO, ANHU, CALT, SPTO, CAQU, CLSW, NRWS, WEBL, western toad, western fence lizard, western whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 conducted pre-removal sweep.

0700 monitored emergent vegetation clearing on west side of reservoir. Observed several western toads, western fence lizards, and western whiptails. All were relocated out of the impact area.

1500 conducted final sweep and biologist left for the day.

Additional Comments

Signature





Vegetation_clearing_before_facingSW.jpg



Vegetation_clearing_during_facingSW.jpg



Vegetation_clearing_after_facing_SW.jpg
-118.17575 34.18935

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	10 %
End of Day	15:00	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitored vegetation removal with Victor on skip loader

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA BEWR SOSP RSHA HUVI PSFL BLPH HOFI BHGR CORA CAQU desert cottontail, California toad, western whiptail, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored vegetation removal with Victor on skip loader. Relocated three western toads and a western whiptail. Watched southwestern corner of vegetation for any nesting behaviors or fledglings.

Additional Comments

N/A

Signature





Bulldozer_facingE.jpg
-118.17554 34.1872



Vegetation_removal_before_facingE.jpg
-118.17649 34.18741



Vegetation_removal_after_facing E.jpg
-118.17685 34.18735

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	55 °F	0-3 MPH	0 %
End of Day	14:37	88 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 water trucks, 1 excavator, 1 blade, 1 dozer, 1 skip. Approximately 15 personnel. hauling sediment and removing emergent vegetation, restoring ESA fence

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

lego, parrots, sosp, bewr, anhu, spto, calt, casj, yewa, nuwo, bush, hofi, western fence lizard, alhu, psfl, coastal whiptail, western toad, deer mouse, alligator lizard, cora, clsw, bars

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site, conducted clearance of work area.

0720 skip began clearing in southwest corner, relocated 3 western toads, 1 western fence lizard, 1 deer mouse.

1000 began clearing west of scale house to restore ESA fence. relocated 15 western toads, 1 deer mouse, 1 alligator lizard

1415 skip done for the day. biologist conducted final sweep of site.

1435 biologist left site

Additional Comments

N/A

Signature





photo_1-vegetation clearing SW corner.jpg
-118.17667 34.18726



photo_2-sediment hauling activities.jpg
-118.17635 34.18707



photo_3-vegetation clearing west of scalehouse.jpg
-118.17535 34.18974



photo_4-ESA fence restoration.jpg
-118.17598 34.18923

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	0 %
End of Day	14:50	97 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 water trucks, 1 excavator, 1 dozer, 1 blade, 1 skip, haul trucks. Approximately 15 personnel. Hauling sediment and removing emergent vegetation.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

bewr, lego, spto, cora, sosp, coye, calt, western toad, side-blotched lizard, coastal whiptail, gull sp.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived onsite

0700 began clearing along ESA fence near alta dena drain

1000 began clearing near old truck ramp to prepare for new haul route. relocated 15 western toads, 1 side blotched lizard and 1 coastal whiptail.

1420 completed vegetation removal for the day, conducted final sweep

1450 biologist left site

Additional Comments

N/A

Signature





photo_1-esa fence prep.jpg
-118.17365 34.18729



photo_2-esa fence installation.jpg
-118.17358 34.18693

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jul 31, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	70 °F	0-3 MPH	0 %
End of Day	14:30	97 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitor vegetation removal with Victor on skip loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT SOSP HOFI CASJ BLPH LEGO red-crowned parrot, desert cottontail, California ground squirrel, western toad

Did You Observe any Non-Compliance Issues? Yes No

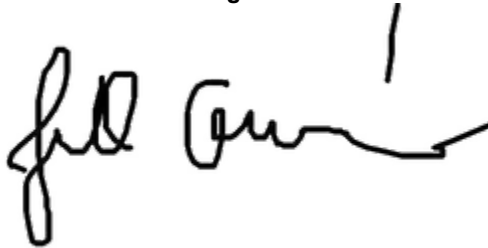
Log Entry

Monitored vegetation removal in the south east corner With Victor on skip loader. Relocated about 15 western toads.

Additional Comments

N/A

Signature





Vegetation_removal_facingS.jpg
-118.17372 34.18634



Vegetation_removal_facingS.jpg
-118.17435 34.1861

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jul 31, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:49	70 °F	0-3 MPH	0 %
End of Day	15:23	100 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company, 2 excavators, 1 skip, 1 dozer, 1 blade, 2 water trucks. hauling sediment and removing emergent vegetation

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

bewr, casj, caqu, parrots, sosp, anhu, laz b, coye, hofi, western toad, side-blotched lizard, cora, calt, deer mouse, norway rat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived onsite. began monitoring excavator removing emergent vegetation at southeast end. Relocated approximately 40 western toads, 1 side-blotched lizard, 2 deer mice
1500 clearing done for the day, biologist does final sweep and leaves site

Additional Comments

N/A

Signature





photo_1-excavator clearing vegetation.jpg
-118.17369 34.18681



photo_2-excavator clearing vegetation.jpg
-118.17454 34.1867



photo_3-work area post removal.jpg
-118.17427 34.18635

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 3, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:15	70 °F	0-3 MPH	0 %
End of Day	14:00	90 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation clearing with Victor on skip loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Western toad, deer mouse, CORA, CALT

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700-1400 monitored vegetation clearing. No sensitive species observed.

Additional Comments

Signature





Vegetation_clearing_facingNE.jpg
-118.17401 34.18631



During_vegetation_clearing_facingNE.jpg
-118.1753 34.18635

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Aug 3, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:12	60 °F	0-3 MPH	0 %
End of Day	15:11	89 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 excavators, 1 skip, 2 water trucks, 1 blade, approximately 15 personnel, hauling sediment and removing emergent vegetation

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

casj, lego, hofi, laz b, calt, western toad, cora, amcr, side-blotched lizard, blph, spto, deer mouse, cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0615 arrived on site to train new monitor.

0700 began observing vegetation removal, relocated approximately 45 western toads and 2 deer mice.

1450 work completed for day; biologist conducted final sweep of site.

1510 biologist left site

Additional Comments

N/A

Signature





photo_1-excavator removing vegetation piles.jpg
-118.17396 34.18673



photo_2-excavator removing vegetation.jpg
-118.17496 34.18601

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:20	64 °F	0-3 MPH	100 %
End of Day	15:10	85 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 excavators, 1 dozer, 1 blade, 1 skip, 3 water trucks. haul trucks. Approximately 15 personnel, hauling sediment and removing emergent vegetation

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

modo, cora, lego, anhu, alhu, yewa, sosp, calt, casj, bars, western toad, western fence lizard, deer mouse, hofi, blph

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0620 arrived on site and checked on lego nests on west side. at least 1 still active.

0705 began monitoring vegetation and boulder removal west of scale house. relocated 2 western fence lizards, 6 western toads and 1 deer mouse

0900 moved to SW corner to remove vegetation piles and emergent vegetation

1200 completed mowing in SW corner, removing vegetation piles

1400 resumed mowing

1500 work done for the day

1510 biologist left site

Additional Comments

N/A

Signature





photo_1-excavator and skip moving boulders.jpg
-118.17555 34.18966



photo_2-sediment hauling activities.jpg
-118.17565 34.18935

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 5, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	66 °F	0-3 MPH	100 %
End of Day	15:00	84 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. Excavator, skip loader, water truck
3. George, Victor, Willie

Did you observe any special-status species? Yes No

YEWA

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, YEWA, SOSP, CASJ, AMCR, TRES, western toad, western fence lizard, PSFL, CALT

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing.
1500 work done

Additional Comments

Signature





Vegetation_clearing_facingSW.jpg
-118.17647 34.18689



Vegetation_clearing_facingS.jpg
-118.17679 34.18704

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Aug 5, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	11:41	71 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 2 excavators, 1 dozer, 1 skip, 1 blade, 3 water trucks, approximately 15 personnel. hauling sediment and removing emergent vegetation

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

bewr, calt, lego, yewa, bush, parrots, california ground squirrel, western fence lizard, spto, anhu, atfl, sosp, cora, clsw, rsha, psfl, casj, hofi, nuwo, modo, coyote, cottontail, caqu

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 arrived onsite

0700 began working with excavator to remove vegetation in SW corner.

0830 left other monitor with excavator and began updating/deactivating previously active nests around perimeter

1140 left site, other monitor Jen Kendrick is monitoring work activities

Additional Comments

N/A

Signature





photo_1-excavator removing vegetation.jpg
-118.17644 34.18685



photo_2-sediment hauling activities.jpg
-118.17644 34.18686

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 6, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	66 °F	4-6 MPH	100 %
End of Day	15:00	87 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. Excavator, skid, water truck
3. Victor, Willie, George

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, HOFI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing. No special status species observed.

Additional Comments

No

Signature





Vegetation_clearing_facingNW.jpg
-118.17666 34.18758



Vegetation_clearing_facingSE.jpg
-118.17587 34.18688

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	57 °F	0-3 MPH	0 %
End of Day	14:00	84 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. Excavator, water truck
3. George, Willie

Did you observe any special-status species? Yes No

YEWA

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

LEGO, AMCR, PSFL, YEWA, BUSH, desert cottontail, western toad, coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing. 1400 vegetation clearing completed.

Additional Comments

Signature





Vegetation_clearing_facingSE.jpg
-118.17623 34.18681



Vegetation_clearing_facingE.jpg
-118.17612 34.18683

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Monitored vegetation removal with Thomas on skip loader and with excavator

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH OCWA PSFL ANHU COYE YEWA red-crowned parrot HOFI CAQU western toad, California vole, Norway rat western fence lizard, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

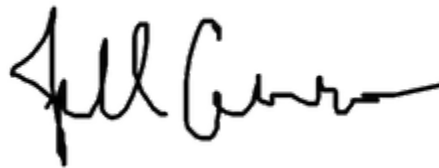
Log Entry

0700 checked on 3 LEGO nests along ESA fence line, southwest of scale house to see if still active. Watched area and saw no nest activity there. presumed all have fledged due to timing. Monitored vegetation removal in southwest corner with both Thomas on skip loader and with the excavator which was required for the steep slopes. Relocated 3 western toads and a California vole.

Additional Comments

N/A

Signature





Vegetation_removal_facingN.jpg

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 11, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	0 %
End of Day	15:00	88 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation debris removal with Thomas on skip loader

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA CALT CAQU SOSF HOFI PSFL CORA red-crowned parrot, western toad, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Vegetation removal with Thomas on skip loader

Additional Comments

Signature





Vegetation_pile_removal_facing_SE.jpg
-118.17623 34.18656



Excavation_facing_E.jpg
-118.17568 34.18708

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 12, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:53	63 °F	0-3 MPH	0 %
End of Day	15:00	99 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. Skip loader
3. Thomas, Griffith Company

Did you observe any special-status species? Yes No

YEWA

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YRWA, CALT, CASJ, YEWA, CAQU, NOFL, HOFI, BLPH, SPTO, SOSF

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing.
1500 crew finished for the day.

Additional Comments

Signature





Vegetation_clearing_facingW.jpg
-118.17288 34.18933



Vegetation_clearing_after_facingN.jpg
-118.17287 34.18906



Vegetation_clearing_during.jpg
-118.17295 34.19195

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	76 °F	0-3 MPH	80 %
End of Day	15:00	95 °F	MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. One skip loader
3. Thomas, Griffith Company

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CALT, LEGO, VESP, NUWO, ANHU, SPTO, AMCR, SOSF

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing.
1500 crews completed work for the day.

Additional Comments

Signature





Vegetation_clearing_facingNE.jpg
-118.1738 34.19115



Vegetation_clearing_facingW.jpg
-118.17213 34.19225

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	80 °F	0-3 MPH	100 %
End of Day	15:00	97 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Thomas on the skip loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP BEWR ALHU ANHU CASJ CORA LEGO HOFI red-crowned parrot, dusky-footed woodrat, western whiptail, desert cottontail, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored vegetation removal for ESA fence line near air quality station with Thomas on skip loader

Additional Comments

N/A

Signature





Vegetation_clearing_facingN.jpg
-118.173 34.19224



Vegetation_removal_ESA_fenceline_facingN.jpg
-118.17241 34.1928



Installation_ESA_fenceline_facingW.jpg
-118.17241 34.1928

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Aug 17, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:48	72 °F	0-3 MPH	80 %
End of Day	15:06	95 °F	4-6 MPH	80 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 3 water trucks, 1 excavator, 1 skip, 1 blade, 1 dozer, approximately 15 personnel. hauling sediment and removing emergent vegetation

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

male LBVI heard singing at a distance at 0850 am. male singing deep in willow mulefat scrub 100-200 ft west from ESA fence and 300+ feet from work area

List of species observed while monitoring:

bewr, amcr, alhu, modo, nuwo, wren, anhu, bush, parrots, bggn, caqu, casj, side-blotched lizard, hofi, lbvi, caki, calt, casj, rtha, rsha, coastal whiptail, western fence lizard, deer mouse

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0648 arrived on site

0710 skip and water truck headed to NW area for emergent vegetation removal. intermittent vegetation removal due to sandy roads/water truck getting stuck

1440 vegetation clearing done for the day, 1 side blotched lizard relocated

1505 biologist left site

Additional Comments

smoky hazy day from wildfires

Signature





photo_1- vegetation removal.jpg
-118.17272 34.19226



photo_2-area post removal.jpg
-118.17294 34.1923

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	75 °F	0-3 MPH	60 %
End of Day	15:00	102 °F	0-3 MPH	35 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal and debris pile removal with Thomas on skip loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ COHA HOFI CALT BEWR SOSP CORA parrot sp. western whiptail, side-blotched lizard, western fence lizard, southern alligator lizard, California ground squirrel, deer mouse, dusky-footed woodrat

Did You Observe any Non-Compliance Issues? Yes No

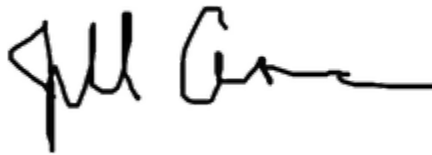
Log Entry

Monitored vegetation removal and debris pile removal with Thomas on skip loader near air quality station. Relocated southern alligator lizard, western whiptail, side-blotched lizard, and western fence lizard

Additional Comments

N/A

Signature





Vegetation_removal_facingW.jpg
-118.17254 34.19232



Vegetation_removal_facingN.jpg
-118.1724 34.19274

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 19, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:46	72 °F	4-6 MPH	50 %
End of Day	15:00	98 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing
2. Skip (only one)
3. Thomas (Griffith Company)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, SPTO, LEGO, NUWO, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored vegetation clearing. 1500 crew finished vegetation clearing.

Additional Comments

Signature





Vegetation_clearing_facingW.jpg
-118.17241 34.19186



Vegetation_clearing_after_facingNW.jpg
-118.17268 34.1924

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	72 °F	0-3 MPH	15 %
End of Day	15:00	99 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Thomas on skip loader

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

Male singing and scolding south of air quality station near ESA fence line

List of species observed while monitoring:

RTHA CAQU NUWO ANHU HOFI CASJ CALT WREN parrot sp. deer mouse, side-blotched lizard, western whiptail, western fence lizard

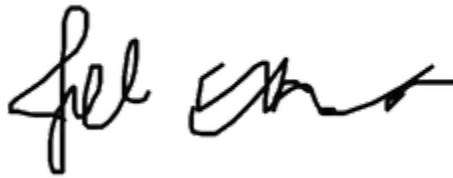
Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Vegetation removal with Thomas on skip loader. Relocated western whiptails, western fence lizard, side-blotched lizard

Additional Comments

Signature





Vegetation_removal_facingN.jpg
-118.17226 34.19247



Vegetation_removal_facingN.jpg
-118.17228 34.19248

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	72 °F	0-3 MPH	0 %
End of Day	15:00	93 °F	4-6 MPH	15 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Thomas on skip loader near air quality station

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ BEWR CORA WREN NUWO HOFI SOSP western whiptail, side-blotched lizard, western fence lizard, deer mouse, western toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored vegetation clearing and debris pile clearing with Thomas on skip loader near air quality station west side. Relocated western toad, side-blotched lizards, and western whiptails

Additional Comments

N/A

Signature





Vegetation_removal_facingNW.jpg
-118.1722 34.19264

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	70 °F	0-3 MPH	10 %
End of Day	15:00	90 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Thomas on skip loader.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ CORA WREN SOSP CALT red-crowned parrots, western toad, western fence lizard, side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

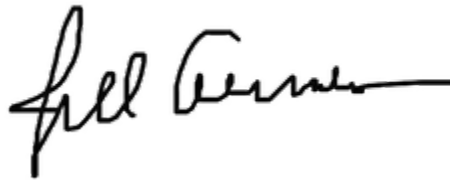
Log Entry

Monitored vegetation clearing with Thomas on skip loader in area near air quality station, western edge of ESA fence line. Monitored vegetation clearing just west of water tank on sloped road. Relocated western toads, western fence lizard, side-blotched lizard.

Additional Comments

N/A

Signature





Vegetation_debris_pile_removal_facing_W.jpg
-118.17262 34.19177



Vegetation_removal_facing_NW.jpg
-118.1735 34.18994

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	5 %
End of Day	15:00	90 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Finish last of vegetation removal with Thomas on skip loader on slope a long road west of water tank. Checked emergent vegetation elsewhere on site for wildlife.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ CORA HOFI red-crowned parrot WREN CALT

Did You Observe any Non-Compliance Issues? Yes No

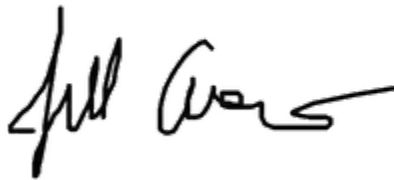
Log Entry

Monitor vegetation removal with Thomas on skip loader, check emergent vegetation for wildlife, check area along slopes for wildlife.

Additional Comments

N/A

Signature





Excavation_facing_SW.jpg
-118.17567 34.18826



Grading_road_facing_E.jpg
-118.17568 34.18832

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 26, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	68 °F	4-6 MPH	0 %
End of Day	15:00	97 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Sediment removal
2. Excavator
3. Multiple big rigs, Joe (Griffith Company)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, ANHU, CASJ, CATH, YRWA, SAPH, SPTO, LEGO, CAQU, BLPH, SOSP, FOSP, WREN, ACWO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored sediment removal. At 1500 crews cleared for the day.

Additional Comments

Signature





Sediment_removal_facingSW.jpg
-118.17519 34.18907



End_of_the_day_construction_site_facingSW.jpg
-118.17353 34.18919

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jen Kendrick
Date of Log: Aug 27, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:00	70 °F	0-3 MPH	0 %
End of Day	15:00	97 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Sediment removal
2. Trucks and excavator
3. Griffith Company

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, BUSH, ACWO, HOFI, NUWO, CALT, coyote, bobcat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Conducted sweep of the project site.

0700 Monitored sediment removal.

1500 Crew finished for the day.

Additional Comments

Signature





Sediment_removal_facingNE.jpg
-118.17289 34.19099



End_of_sediment_removal_facingE.jpg
-118.17538 34.18873

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 28, 2020

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ACWO CASJ BUSH CALT HOWR red-crowned parrot, western gray squirrel

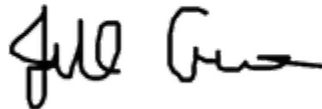
Did You Observe any Non-Compliance Issues? Yes No

Log Entry

General construction monitoring. Watched excavation and grading with excavator and bulldozer

Additional Comments

Signature





Excavation_facing_N.jpg
-118.17497 34.18932

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Aug 31, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:00	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring work

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ CALT ANHU OATI CORA COHA parrots California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

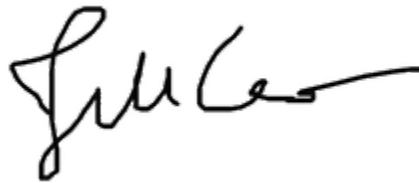
Log Entry

General construction monitoring- excavation and grading taking place

Additional Comments

N/A

Signature





Excavation_facing_NE.jpg
-118.1752 34.18953



Excavation_facing_NW.jpg
-118.1749 34.18908

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Sep 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	0 %
End of Day	15:00	85 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring. I looked for LBVI, but none heard.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

GHOW CALT CATH ACWO CASJ WREN HOFI SOSP parrot sp. CORA

Did You Observe any Non-Compliance Issues? Yes No

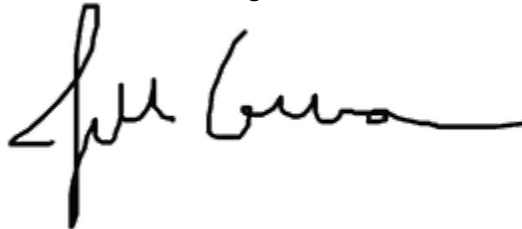
Log Entry

General construction monitoring

Additional Comments

N/A

Signature





Excavation_facing_W.jpg
-118.17565 34.18831

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 2, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	54 °F	0-3 MPH	10 %
End of Day	15:16	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with bulldozer, wheel loader, grader, excavator, haul trucks, water trucks Griffith Company, Joe (foreman)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

green parrot, CORA, MODO, BLPH, CASJ, HOWR, CALT, ALHU, HOFI, WEBL, ANHU, SOSP, desert cottontail, BEWR, BUSH, ACWO, COHA, LEGO, AMRO, CAQU, AMCR western fence lizard, western toad, California ground squirrel, GREG

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored sediment removal in the center and southern portions of the work area.

Additional Comments

N/A

Signature





photo_1-preconstruction_facingNW.jpg
-118.17328 34.18768



photo_2-sediment removal_facingN.jpg
-118.1731 34.18952



photo_3-sediment removal_facingSW.jpg
-118.17485 34.19022

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumousto
Date of Log: Sep 3, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:00	90 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CAQU CALT BEWR COHA BLPH CASJ CORA MODO western fence lizard, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

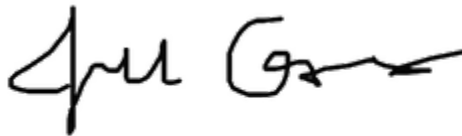
Log Entry

General construction monitoring, checked territory for vireo, none seen or heard.

Additional Comments

N/A

Signature





Excavation_facingW.jpg
-118.1733 34.18689

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Sep 4, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	67 °F	0-3 MPH	0 %
End of Day	12:00	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA BLPH CALT BUSH CASJ parrot sp.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

General construction monitoring

Additional Comments

Workday ended early due to the holiday on Monday.

Signature





Sediment_removal_facingW.jpg
-118.17567 34.18834



Sediment_removal_facingW.jpg
-118.17568 34.18831



Excavation_facingE.jpg
-118.17589 34.18704

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 10, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	100 %
End of Day	15:13	85 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with scraper, wheel loader, bulldozer, excavator, 2 water trucks, and multiple haul trucks. Griffith Company - Joe (foreman)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NOMO, CORA, COHA, green parrots, HOFI, MODO, CALT, NRWS, CASJ, ACWO, ANHU, SAPH, LEGO, BUSH, CAQU, BEWR, desert cottontail, California ground squirrel, SPTO, western fence lizard, southern pacific rattlesnake, KILL, BLPH, NUWO, CAKI

Did You Observe any Non-Compliance Issues? Yes No

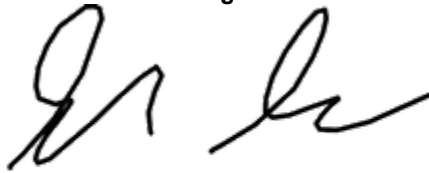
Log Entry

0700 monitored sediment removal

Additional Comments

N/A

Signature





photo_1-preconstruction_facing N.jpg
-118.17399 34.1867



photo_2-sediment removal_facing S.jpg
-118.17362 34.18989



photo_3-sediment removal_facing SW.jpg
-118.17322 34.18832

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 11, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	51 °F	0-3 MPH	100 %
End of Day	14:05	86 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with scraper, excavator, wheel loader, bulldozer, 2 water trucks, multiple haul trucks. Griffith Company - Joe (foreman)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

green parrots, CASJ, CORA, ANHU, LEGO, BUSH, HOFI, AMCR, _CALT, ALHU, NUWO, BEWR, MODO, NOMO, KILL, CAQU, WTSW, desert cottontail, ACWO, California ground squirrel, BLPH western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 monitored sediment removal

Additional Comments

N/A

Signature





photo_1-preconstruction_facing N.jpg
-118.17564 34.18615



photo_2-sediment removal_facing NW.jpg
-118.17484 34.18589

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Sep 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	100 %
End of Day	15:00	90 °F	0-3 MPH	70 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

General construction monitoring

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA CASJ BUSH BLPH parrot sp.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

General construction monitoring

Additional Comments

N/A

Signature





Excavation _ facing_W.jpg
-118.1757 34.18835



Excavation_and_hauling_activities.jpg
-118.1762 34.18694

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	61 °F	0-3 MPH	100 %
End of Day	15:34	92 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with excavator, scraper, wheel loader, bulldozer, 2 water trucks, multiple haul trucks Griffith Company, Joe (foreman)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, ACWO, CALT, CORA, MODO, coyote, AMCR, HOFI, LEGO, BUSH, BLPH, CASJ, green parrot, California ground squirrel, desert cottontail, SPTO, BEWR, CAQU, western fence lizard, COHA, side-blotched lizard, CAKI, eastern fox squirrel, RTHA

Did You Observe any Non-Compliance Issues? Yes No

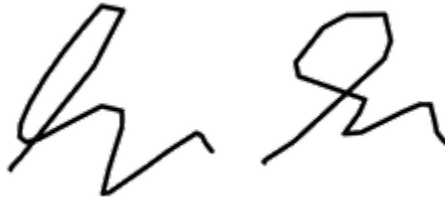
Log Entry

0700 monitored sediment removal

Additional Comments

N/A

Signature





photo_1-20200915_preconstruction_facing W.jpg
-118.17327 34.18766



photo_2-20200915_sediment removal_facing W.jpg
-118.17411 34.18713



photo_3-20200915_sediment removal_facing NE.jpg
-118.17336 34.19169



photo_4-20200915_site overview_facing N.jpg
-118.17536 34.18532

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 18, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	64 °F	0-3 MPH	100 %
End of Day	09:20	70 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with excavator, scraper, bulldozer, wheel loader, 2 water trucks, multiple haul trucks Griffith Company

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, green parrot, CALT, LEGO, CASJ, HOFI, BUSH, ANHU, AMCR, MODO, COHA, desert cottontail, ACWO, CAQU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 twice weekly site monitoring visit

Additional Comments

N/A

Signature





photo_1-20200918_sediment removal_facing W.jpg
-118.17437 34.18601

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Shannan Shaffer
Date of Log: Sep 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:48	59 °F	0-3 MPH	100 %
End of Day	09:23	64 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Sediment removal with scraper, wheel loader, excavator, bulldozer, 2 water trucks, multiple haul trucks (Griffith Company)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Green parrots, CORA, SPTO, CASJ, CALT, WREN, ANHU, BUSH, AMCR, LEGO, HOFI, MODO, CAQU, KILL, ALHU, NRWS, WTSW, OATI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0650 twice weekly site check

Additional Comments

N/A

Signature





photo_1-20200921_sediment removal_facing SW.jpg
-118.17347 34.18896



photo_2-20200921_sediment removal_facing W.jpg
-118.17348 34.1888

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Christine Tischer
Date of Log: Sep 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	51 °F	0-3 MPH	0 %
End of Day	09:30	75 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Twice weekly compliance inspection.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, AMCR, BLPH, EUST, MODO, parrots, HOFI, BRSP, KILL, SOSP, LEGO, BTPI, COYE, CALT, savannah sparrow, ALHU, BUSH, cottontail, California ground squirrel, CASJ, BEWR, BGGN, WCSP, SAPH, CAQU, domestic horse (s), ANHU, CATH, ACWO, SPTO, OATI, gopher, HUVI, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 haul trucks arrived, excavators loading in western and central portions of basin.

0747 minor amount of loose trash noted around staging area and stockpiled boulders in eastern portion.

0800 horse scat within northern portion of project limits.

0825 orange snow fencing partially down in NW corner

0930 departed from site.

Additional Comments

N/A

Signature





Trash_at_boulders_facingW.jpg
-118.176 34.20179



Staging_area_more_trash.jpg



NW_corner_facingN.jpg
-118.1668 34.19925



Trash_at_boulders_facingN.jpg
-118.17405 34.18524

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Christine Tischer
Date of Log: September 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	59 °F	0-3 MPH	0 %
End of Day	22:00	74 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Red flag warning until 5pm. Only Griffith foreman (Joe) and 2 laborers and County on site. No heavy equipment operations today. Nature's Image restoration crew working along west side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, BLPH, EUST, parrots, LEGO, KILL, BEWR, COYE, CATH, SOSP, ALHU, RTHA, WCSP, CASJ, BUSH, cottontail, horse (tracks within south portion of basin), SPTO, CALT, HOFI, CAQU, NOMO, BGGN, ANHU, YEWA*, side-blotched lizard, NUWO, HOWR, COHA, western fence lizard, California ground squirrel, OATI, HUVI, coyote (den in SW portion just outside fence line)

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 arrived on site. No operators or equipment running. 4-6 personnel.

0715 Joe informed me that no operations scheduled for today due to red flag warning in effect until 5pm.

0740 informed Joe loose plastic and paper trash was noted on Friday in the parking area east of site and around boulder pile in center of site. He and the 2 laborers will clean as soon they finish what they're working on. Also says may not all be project-related trash since he knows some trash has appeared after workers have left for the day.

0800 only 12 ESA signs partially intact. At least 8 noted on ground along east fence line, 19 on west side, also 4-5 gaps in fence.

0925 mud sluffing off north side of road at rumble plates, horseweed, Jimson weed, mustard, and cocklebur likely covered.

0950 informed Reza at DPW of trash, fence, and slide issues noted today. Lauren will follow up with email and photos for his review. Asked that I let Joe (Griffith) know.

0955 informed Joe of additional issues with ESA fence and mudslide. He will have his guys clean up trash and maintain the fence today

1000 departed from site.

Additional Comments

Lauren to send follow-up email with photos to Reza at County.

Signature





Looking_NE_at_downed_fence.jpg
-118.18047 34.19042



Looking_NE_at_downed_fence_ESA_sign.jpg
-118.1715 34.19709



Facing_west_gap_in_fence.jpg
-118.17465 34.18893



Looking_SW_mudslide.jpg
-118.1606 34.20734

APPENDIX D

Habitat Restoration Monitoring Logs

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:30	73 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes continuing hand-pulling/raking in DG-4A grassy area SW of LBVI buffer.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

0720 Alarm chatter briefly heard in coast live oak along road in known LBVI buffer, likely due to bobcat that Daniel and I were observing along the road. Approximate location: 34.191528, -118.176299.

List of species observed while monitoring:

Bobcat, male BHCO, LBVI, CATH, SPTO, CALT, BEWR, SOSPO, ACWO, HOOR, MODO, LEGO, COYE, YEWA, HUVI, RSHA, RTHA, NUWO, western harvest mouse, California vole, coastal whiptail, Botta pocket gopher, western fence lizard, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 monitored vegetation removal in area continued from yesterday.

0700 bobcat wandering out to road, lingers for awhile, hunting, for 10-15 minutes until more visitors show up and it heads back eastward into brush.

0815-0835 Daniel showed me some areas to the south that will be treated after current section.

0930-1100 while workers were clearing grasses with hand tools (rakes, hoes), 1 female western fence lizard got whacked or stepped on and later died; 3 likely western harvest mice and 1 California vole were relocated into nearby brush, unharmed. Several more rodents fled the area on their own.

1210 working along COYE nest buffer, I had to move 5 workers out away from the buffer as COYE seemed slightly stressed and CASJ are hunting for bugs in the uprooted grassland. I underestimated the intensity of the work in this area when I made the buffer yesterday.

1345 the dumpster truck has finally changed out the dumpster after 2 days and crews are stopping pulling vegetation to load stockpiles into new dumpster. I continue to monitor until about 1415 then finish up reporting.

Additional Comments

N/A

Signature





During_hand-pulling_facingW.jpg
-118.17699 34.19073



After_hand-pulling_facingW.jpg
-118.17698 34.19069

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 2, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	14:35	80 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9, plus foreman Daniel, hand-pulling on west side in DG-5 and clearing vegetation piles in DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Bobcat, spotted towhee, Nuttall's woodpecker, common yellowthroat, black phoebe

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Bobcat crossed road going east as I drove to site, near DG-5. Crossed open area where crew had cleared yesterday and into willow thickets. Observed crew hand-pulling in SW corner of DG-5 at edge of LBVI-1 buffer and hauling piled vegetation from yesterday. Natures Image has requested two dumpsters be kept on site to prevent further occurrences of backed up vegetation piles.

0810 Crew found kangaroo rat under vegetation pile being cleared from yesterday. Relocated safely to nearby grassy area in LBVI buffer.

1030 Dumpster full. Replacement scheduled between 1400 and 1600. Crew will finish moving vegetation piles near road in prep for hauling to dumpster.

w1430 dumpster still has not arrived. Crew done pulling/hauling, so monitoring not needed.

Additional Comments

N/A

Signature





Before weeding, SW corner of DG-5, facing W.jpg
-118.17681 34.19086



After weeding.jpg
-118.1768 34.19076



After clearing piles from yesterday, facing N.jpg
-118.17695 34.19045

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 6, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	0 %
End of Day	14:45	90 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel, hauling vegetation piles from last week

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, Allen's hummingbird, California scrub jay, California thrasher, yellow warbler, bushtits, house finch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Quickly inspected piled tarps for new nests from the weekend. No obvious activity, advised crew to take care when lifting piles and moving tarps.

0640 Trained temporary worker, Juan, before starting work.

0815 Found *Oenothera rosea* growing in shaded area along the road. Less than 10 plants, removed.

0845 Crew finished hauling and continued south to hand-pull in DG-4 along the road. Pulling mainly passion flower and perennial pepperweed.

1230 cleared crew to work in southeastern DG-4A area. Weeds are mostly perennial pepperweed and wild radish

Additional Comments

N/A

Signature





Crew hauling tarps from previous week to dumpster.jpg
-118.17678 34.19063



Weeding in progress, DG-4, facing E.jpg
-118.17738 34.18964



Before weeding DG-4A, facing N.jpg
-118.17745 34.18882



After weeding, DG-4A, facing N.jpg
-118.17742 34.1889

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	50 %
End of Day	14:45	86 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 including foreman Daniel Holmes hand-pulling in DG-4A and DG-4.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA female feeding fledgling in work area and 2 males singing nearby (1 north, 1 south of current work area), SPTO, CASJ, BUSH, CALT, PSFL, COYE, ACWO, HOFI, LEGO, HOOR, BEWR, western fence lizard, OATI, CORA, HUVI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 continuing work on patch of pepperweed and wild radish (some hemlock) in willow forest. Mysterious red striped flagging here removed after confirming no active nests in field and in Collector, near old BUSH-2 nest. Work area is along N edge of existing planted area which is under a dense canopy (work area = primarily open canopy). Made two checks at new YEWA nest (YEWA-1) to the north between 1200 and 1400 but no female at nest. But 2 YEWA heard making alarm calls at CASJ during first check.

1400 crews done pulling and starting clean-up, getting remnant live stems. Checking proposed work area for tomorrow for protected resources.

1440 confirmed YEWA-1 nest active with female sitting tight.

Additional Comments

N/A

Signature





During_hand-pulling_facingN.jpg
-118.17725 34.18878



After_hand-pulling_facingN.jpg
-118.17736 34.18885

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 8, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	50 %
End of Day	14:35	84 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in DG-4 and DG-4A, continuing same area from yesterday. Primarily pepperweed with occasional hemlock and Hirschfeldia. Amongst native mugwort, sedge, willows and ash (native and nonnative). Area overlaps a previously planted area that is still irrigated.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA, HUVI, BEWR, SPTO, HOFI, PSFL, BHGR, BUSH, southern alligator lizard, MODO, ACWO, ALHU, western fence lizard, BTPI, HOOR, western toad, California king snake, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew getting started from same area as yesterday while I nest-search in vegetation ahead of work. Watching HUVI, SPTO, BEWR, YEWA toward east fence edge in open weedy vegetation and in willows/brush; no nesting behaviors seen.

0730 relocated uninjured alligator lizard exposed by worker to an area 60 feet away in YEWA-1 nest buffer.

0915 lots of YEWA alarm calls (male and female) in response to CASJ and myself while surveying proposed work area SE of current work zone; I believe this is due to a YEWA fledgling nearby but I haven't ruled out new nesting.

0950 western toad in moist pepperweed patch relocated to nearby willow from work area. Afternoon: crew is slowly making their way toward E fence with two workers getting nearly there. Lots of dense riparian in between.

1445 crew is back at dumpster loading, cleaning.

Additional Comments

N/A

Signature





During_hand-pulling_facingN.jpg
-118.17728 34.18909



During_hand-pulling_facingS.jpg
-118.17722 34.18914



Starting_hand-pulling_facingE.jpg
-118.17696 34.18877



After_hand-pulling_facingNE.jpg
-118.17697 34.18886

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 9, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:45	86 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel hand-pulling in southern areas of DG-4 and DG-4A

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Black phoebe, spotted towhee, wren, bushtits, heard male yellow warblers singing near work area but not spotted, oak titmouse

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 cleared area for crew to work in DG-4 and DG-4A south of YEWA-1 buffer

0700 Gave WEEP training to temporary worker (Mario) before he joined the rest of the crew

1030 Crew member discovered bumblebee hive and was stung on the nose. Treated with sting relief pad and Daniel advised those working nearby to wear safety glasses. Observed hand-pulling in two areas. Mostly pepperweed and passion flower near the road and poison hemlock with pepperweed near the ESA fence to the east.

Additional Comments

N/A

Signature

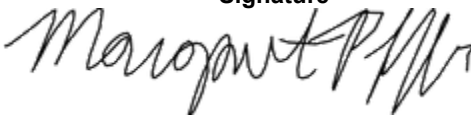




Photo 1-weeding in progress, DG-4, facing NW.jpg
-118.17736 34.18906



Photo 2-before weeding in DG-4A, facing E.jpg
-118.1769 34.18883



Photo 3-after weeding, facing NW, same area as photo1.jpg
-118.17732 34.18908



Photo 4-after weeding, DG-4A, facing NE, same area as photo2.jpg
-118.17689 34.18876

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 10, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	0 %
End of Day	14:00	88 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel, hand-weeding in same areas as yesterday in DG-4 along road and DG-4A moving north along east side of YEWA-1 buffer.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

lesser goldfinch, Allen's hummingbird, spotted towhee, house finch, black phoebe, black headed grosbeak, common yellowthroat, kingbird, yellow warblers (juvenile and adult) in tall willows on southern edge of area cleared Monday

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0800 Small group working near road finished pulling and were moved to work with the second group near the ESA fence. Three crew members instructed to use loppers to cut passionfruit vines to kill overhead growth and prevent resprouting. Crew had previously been pulling vines from native willows but have switched to this less intrusive method.

1015 observed yellow warblers, details above

1045 crew member with spider bite. Daniel called Labor Finders who advised he go to office and be taken to urgent care.

1200 crew near road finished cutting passion flower and moved on to large patch of Himalayan blackberry. Other crew pulling mostly perennial pepperweed with some poison hemlock and wild radish.

1400 Crew stopped pulling early and planned to spend the last hour cleaning up and holding a safety meeting, which did not need monitoring.

Additional Comments

N/A

Signature





Photo 1-before weeding, DG-4A, facing W.jpg
-118.1713 34.18845



Photo 2-passionflower vine removal in progress, DG-4 near road, facing E.jpg
-118.17758 34.18912



Photo 3-after weeding, same view as photo1.jpg
-118.17671 34.18892



Photo 4-after cutting passionflower, same view as photo2.jpg
-118.17751 34.1891

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:45	86 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9, plus foreman Daniel, hand-pulling on south end of DG-4 and DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

House finch, black phoebe, California towhee, spotted towhee, common yellowthroat, Anna's hummingbird, hooded oriole (female), Bewick's wren, San Diego alligator lizard, Nuttall's woodpecker, California scrub jay, oak titmouse

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Morning: Crew working in same areas as last week: DG-4A between YEWA-1 buffer and ESA fence (mostly pepperweed), Himalayan blackberry patch along road in DG-4, and small area of DG-4 near planted sections where yellow jackets prevented work Friday afternoon (mostly pepperweed).

1200 crew finished pulling Himalayan blackberry patch and moved to join other crew in DG-4 moving south

1230 two more crew stung by yellow jackets. Gave sting relief pads and Daniel cleared them to continue work

1430 Crew stopped pulling and spent remaining time cleaning up and hauling vegetation tarps

Additional Comments

N/A

Signature

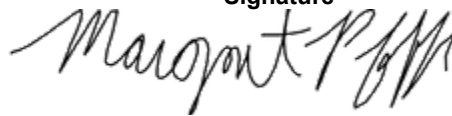




Photo 1-before weeding in DG-4A, east of YEWA-1, facing N.jpg
-118.17657 34.18917



Photo 2-before weeding in DG-4, facing N.jpg
-118.17722 34.18868



Photo 3-after weeding, same view as photo1.jpg
-118.17655 34.1891



Phot 4-after weeding, same view as photo2.jpg
-118.17726 34.18868

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:53	87 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 including foreman Daniel Holmes hand-pulling in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

One LBVI silently foraging near YEWA-1 nest site (34.189503°N 118.177044°W) at about 1300 hrs.

List of species observed while monitoring:

SPTO, PSFL, YEWA, BEWR, BUSH, HOFI, western fence lizard, coastal whiptail, BLPH, BHGR, HOOR, western toad, HUVI, ALHU, LBVI, CORA, CALT, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 staging vehicles at south end of Hahamongna access road.

0715 almost immediately after getting started, yellow jacket attack. One person with several stings; I provided some mild topical sting pads from first aid kit and icepack; Daniel headed to drugstore for hydrocortisone cream, etc.

0830 more yellow jackets in area already partially treated; crews moving to different areas. Crews splitting up: some working under willow canopy, some along alluvial scrub near fence.

0930 confirmed COYE nest inactive/fledged.

1300 failed to locate YEWA nest (YEWA-1), though female and male were seen. Previously described nest by Werner was likely HOFI. Will attempt to locate again tomorrow morning.

1415 crew finishing up hand-pulling, then removal of stockpiles.

Additional Comments

N/A

Signature





Starting_hand-pulling_facingE.jpg
-118.177 34.18861



Hand-pulling_facingSW.jpg
-118.17663 34.18882



During_hand-pulling_facingN.jpg
-118.17655 34.18891



After_hand-pulling_facingE.jpg
-118.17704 34.18859

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	15:00	87 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 with foreman Daniel Holmes hand-pulling in DG-4 at southwest corner of project area.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

Silent LBVI (brief chatter for literally a few seconds) foraging near YEWA-1 nest site (34.1895432, -118.1767680).

List of species observed while monitoring:

YEWA, PSFL, SPTO, COYE, CASJ, BEWR, CALT, big-eared woodrat, HUVI, western fence lizard, LBVI, HUVI, HOFI, BHGR, BLPH, NUWO, HOWR, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

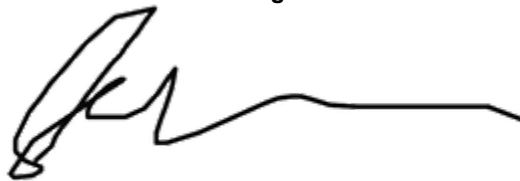
0630 starting in dense canopy area by new footbridge. Weeds consist primarily of Virginia creeper vines that form dense mats. Existing plantings in this area (Cal blackberry, coyote brush, mugwort, wild rose, etc). Crews are advised to leave woodrat middens intact.

1030-1115 looked at YEWA-1 again. No nest seen but male and fem YEWA seen, mobbing CASJ. They may be renesting SW of YEWA-1. SPTO fledgling being fed SW of YEWA-1. This area is a bird hotspot, perhaps due in part to the abundant flowering pepperweed. Silent LBVI seen here as well.

Additional Comments

photos 3 and 4 were added from outside app

Signature





Before_hand-pulling_facingE.jpg
-118.18583 34.19819



After_hand-pulling_facingE.jpg
-118.17729 34.18839



Before_hand-pulling_facingS.jpg
-118.17714 34.1884



After_hand-pulling_facingS.jpg
-118.17722 34.18811

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 16, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9, plus foreman Daniel, hand-pulling in south area of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Spotted towhee, house wren, lesser goldfinch, common yellowthroat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0720 Crew member stung by yellow jackets

1245 Two crew members saw what they think was a CA king snake moving across the trail just below the road. But when Daniel and I arrived, we could not locate it. Observed hand-weeding along old forest road in the south of DG-4. Weeds controlled were mainly Himalayan blackberry, passionflower, and perennial pepperweed.

1415 Crew stopped pulling and will spend remaining time cleaning up and dumping vegetation in dumpster.

Additional Comments

N/A

Signature





Photo 1-before weeding, DG-4, facing S.jpg
-118.17759 34.188



Photo 2-before weeding Himalayan blackberry, facing S.jpg
-118.17743 34.18789



Photo 3-after weeding, DG-4, same view as photo1.jpg
-118.17769 34.18797



Photo 4-after clearing Himalayan blackberry, same view as photo2.jpg
-118.17745 34.18789

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 17, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	14:00	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9, plus foreman Daniel, hand-pulling in DG-4 with one group working in planted area on eastern edge and the other (5) working in the YEWA-1 buffer.

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

Observed one juvenile LBVI preening and foraging high in a willow near the road on the northeast edge of the buffer. Observed for 5 minutes starting at 0645. Did not see another LBVI for remainder of the day.

List of species observed while monitoring:

LBVI, house finch, California towhee, common yellowthroat, common raven, Anna's hummingbird, lesser goldfinch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

First time working in the removed LBVI-1 buffer. Per ECORP, only 5 crew members can work in the buffer at a time, so remaining 4 are working nearby but outside.

0940 Break in irrigation in north of DG-4, reported by Christine T from ECORP. Sent Daniel and one crew member to address it. Weeds removed were mostly perennial pepperweed and poison hemlock.

Additional Comments

N/A

Signature





Photo 1-before weeding, inside buffer, facing SW.jpg
-118.17524 34.19074



Photo 2-weeding started in DG-4 outside buffer.jpg
-118.17515 34.19043



Photo 3-after, same as photo1.jpg
-118.17525 34.19075



Photo 4-after, same as photo2.jpg
-118.17523 34.19074

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 20, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9, plus foreman Daniel, hand-pulling in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Bushtit, house finch, common yellowthroat, lesser goldfinch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew working in same areas as previous Friday 7/17, with 5 working inside LBVI-1 buffer and 4 in the planted area to the east in DG-4. The buffer group started moving into DG-4A area as well. Weeds removed are primarily perennial pepperweed with some sand plantain.

Additional Comments

N/A

Signature

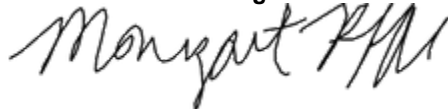




Photo 1-before weeding DG-4, facing SE.jpg
-118.17511 34.19036



Photo 2-before weeding in buffer, facing SE.jpg
-118.17547 34.19081



Photo 3-after weeding, DG-4, same view as photo 1.jpg
-118.17518 34.19045



Photo 4-after weeding in buffer, same as photo 2.jpg
-118.17547 34.19079

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:50	89 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in DG-4 etc (south of Hahamongna park dirt lot). 5 workers in LBVI zone, recently released for limited work. The rest are working south of there, near construction fence (see log).

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

Occasional singing and chatter during morning hours about 200 feet north of our work area (34.191145°N 118.175709°W). I attempted to investigate several times but vocalizations were not sustained enough to track down the bird(s) visually.

List of species observed while monitoring:

COYE, HOFI, BEWR, HUVI, RSHA, SOSP, BARS, SPTO, MODO, ALHU, ANHU, BLPH, NUWO, ACWO, HOOR, CAQU, coastal whiptail, western fence lizard, side-blotched lizard, LBVI, southern pacific rattlesnake, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 gave environmental training to three new workers.

0700 deploying 5 workers to LBVI buffer area, with the rest to area just south. Treated areas are in black willow forest with primary weeds being perennial pepperweed and poison hemlock, with some Hirschfeldia, Indian plantian, one bull thistle, etc.

1045 large southern Pacific rattlesnake crossing dirt road, heading west. I attempted to capture and relocate until I saw how large it was (and warm/active). Discussed with Margie and decided to leave it and move the crews further south (snake was slightly north of current work area. 13 rattle segments, a good 48" long. Last seen at 34.190906, - 118.175463, likely headed west toward denser forest/ravine.

1130 after lunch all crews are working further south near or along south side of LBVI buffer, to avoid rattlesnake.

Additional Comments

N/A

Signature





Before_hand-pulling_facingE.jpg



After_hand-pulling_interrupted_facingE.jpg
-118.17574 34.19084



During_hand-pulling_facingSW.jpg
-118.17544 34.19068



After_hand-pulling_facingSW.jpg
-118.17551 34.19062

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 22, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	90 %
End of Day	15:00	83 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in southwest project area (DG-4, DG-4A). 1 worker left mid-morning.

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

LBVI briefly singing at 0730 within LBVI buffer near dirt access road, near the same LBVI location as yesterday (34.19129, -118.175685).

List of species observed while monitoring:

COYE, HOFI, BEWR, HUVI, SOSPO, BARS, MODO, ALHU, ANHU, BLPH, NUWO, HOOR, CAQU, coastal whiptail, western fence lizard, side-blotched lizard, LBVI, LEGO, western toad, CALT, big-eared woodrat middens, WEBL, southern alligator lizard, SPTO, COHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew is working south of LBVI buffer and a crew of 4-5 just inside buffer boundary. Target areas are a section of irrigated willows/mule fat etc with pepperweed, mustard, lamb's quarters, poison hemlock, Dysphania botrys, and two large open-canopy sections primarily composed of pepperweed with a few hemlock. About half of the pepperweed canopy is dead and half green and flowering.

1000 I spooked a male and female COYE pair in a row of willows with understory of poison oak and pepperweed between work crews (vicinity of 34.190096, -118.175561). Searched for about 1 hour but didn't find a nest. After lunch I returned but there were no COYE in the area irritated at me this time; assume no nest there. Relatively quiet birdwise overall today although not as hot as yesterday. Two yellow jacket nests marked with red pin flags but no stings.

1420 crew starts to clean up.

Additional Comments

N/A

Signature





Photo_1_Before_hand-pulling_facingSW.jpg
-118.17537 34.18998



Photo_2_After_hand-pulling_facingSW.jpg
-118.17538 34.19



Photo_3_Before_hand-pulling_facingSW.jpg
-118.17564 34.19059



Photo_4_after_hand-pulling_facingSW.jpg
-118.17561 34.1906

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 23, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	100 %
End of Day	15:00	74 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12, plus foreman Daniel hand-pulling in DG-4 and DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Northern rough-winged swallow, black phoebe, lesser goldfinch, California towhee, California quail, house finch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0650 Gave WEEP training to temporary worker (Pedro) before starting work. Crew continuing in same areas as previous day with one group working in DG-4A on the east edge of LBVI-1 buffer and the other group continuing south in planted area of DG-4 along ESA fence. Weeds pulled were primarily perennial pepperweed with some sand plantain and chenopodium. Investigated SOSP-2, but did not find a nest. Likely never completed. Two crew members stung by yellow jackets in different areas, given sting relief wipes and cream.

Additional Comments

N/A

Signature

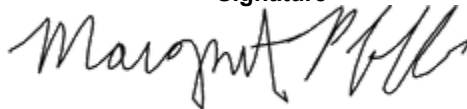




Photo 1-before weeding in DG-4 next to ESA fence, facing S.jpg
-118.17492 34.1903



Photo 2-before weeding in DG-4A, facing SE.jpg
-118.17551 34.19063



Photo 3-after weeding, same view as photo 1.jpg
-118.17496 34.19029



Photo 4-after weeding, piled vegetation, same view as photo 2.jpg
-118.17553 34.19061

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	14:45	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12, plus foreman Daniel, hand-pulling in DG-4 and DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Black phoebe, common yellowthroat, house wren, California towhee, swallow, bushtit, ash-throated flycatcher

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew continuing in planted area on north side of trail started 7/23 afternoon. Another group continuing in planted area of DG-4 in LBVI-1 buffer.

1230 Crew finished detailing planted areas of DG-4 along ESA fence and moved to DG-4A area where it is mostly pepperweed. Heard Tom Sawyer campers in adjacent area and went with Daniel to investigate. They left and we confirmed no plants were damaged. Later talked with camp directors who reassured us that they would keep counselors out of ESAs.

Additional Comments

N/A

Signature





Photo 1-before weeding, N side of trail, taken end of 7-23.jpg
-118.17506 34.19032



Photo 2-before weeding planted area in buffer, facing W.jpg
-118.17552 34.19093



Photo 3-after weeding, same as photo 1.jpg
-118.17517 34.19041



Photo 4-after weeding, same view as photo 2.jpg
-118.17665 34.19143

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 27, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	0 %
End of Day	14:40	82 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12, plus foreman Daniel, hand-pulling in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Yellow warbler, black phoebe, Bewick's wren, Anna's hummingbird, bushtits, California towhee, barn swallow, California quail, spotted towhee, house finch, acorn woodpecker

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Brief sighting of a male YEWA foraging in a willow then flew into a nearby cottonwood

0700 Gave WEEP training to temporary worker (Cleo) before starting work

1000 Crew member exposed to poison oak. Gave him technu and he was able to change into a clean shirt and gloves. Reconfirmed new crew knows how to recognize poison oak. Crew member left at 1310 after developing rash on his forearm.

1030 Daniel not feeling well, decided to go home and get tested. Left D in charge.

1250 crew member found a dead bird (possibly a juvenile quail) next to the trail where the crew had been working.

The immediate area had not been disturbed as it was directly next to a patch of poison oak. I think it perished naturally and not as a result of the crew's activities. Observed 5-person crew complete planted area of DG-4 and pocket of DG-4A along the west side of trail (primarily perennial pepperweed with mustard) while remaining crew continued in open field in DG-4A (dominated by pepperweed). All crew moved to DG-4A after second break.

Additional Comments

N/A

Signature





Photo 1-before hand-pulling, DG-4A, facingW.jpg



Photo 2-before weeding, DG-4A along road, facing W.jpg
-118.1755 34.19039



Photo 3-after clearing, same view as photo 1.jpg
-118.17528 34.19113



Photo 4-after weeding, DG-4A, same as photo 2.jpg
-118.17542 34.19038

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	15:00	89 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in SW area of reservoir. DG-4 and DG-4A areas.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

0730-0810 followed singing LBVI and second (female?) bird foraging in willows and mulefat, they slowly made their way from the approximate center of the LBVI buffer southward to about 34.1904772, -118.1752254 (just northwest of construction fence). No nesting behavior, good lengthy observations. 0842 I heard some chatter from near coordinates above and this was the male, which sang briefly until flying back north at 0852. 1240 brief singing coming from territory center heard from parking lot.

List of species observed while monitoring:

HOFI, CALT, ANHU, YEWA, BEWR, BUSH, BLPH, COYE, LBVI, BARS, ALHU, HOOR, CASJ, western fence lizard, side-blotched lizard, California king snake, big-eared woodrat (middens and 3+ scurrying rats), COYE fledgling at 34.1905970, -118.1753427, close to where I was following pair last week.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew of 5 starts hand-pulling around road turn-off within LBVI buffer, which is permitted. 6 workers continue hand-pulling in weedy field on S side of LBVI buffer (after I inspected areas for sensitive biological resources). These areas are primarily perennial pepperweed with poison hemlock, and mustards. Roadside area also has Lactuca serriola and an undersotry of tocalote.

0730-0810 followed LBVI, see above. Then monitored both crews and looked for nests/nesting behavior ahead of the work.

1045 crew alerted me to California king snake near above turn-off; I handled the docile snake and showed the workers, then relocated it 200 feet to west in thicker brush away from the work.

1300 southern crew getting into drainage with willow canopy and dense groundcover of pepperweed.

1445 crews are done pulling; stockpiles left on-site because dumpster is full and no replacement today.

Additional Comments

N/A

Signature





Photo_1-during_hand-pulling_facingSW.jpg
-118.17565 34.1903



Photo_2-after_hand-pulling_facingSW.jpg
-118.17566 34.1903



Photo_3-during_hand-pulling_facingSW.jpg
-118.17511 34.19116



Photo_4-after_hand-pulling_facingSW.jpg
-118.17511 34.19117

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jul 29, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in SW section of reservoir.

Did you observe any special-status species? Yes No

Least Bell's vireo

Were any least Bell's Vireo detected? Yes No

0650 LBVI briefly singing in coast live oak 34.191163°N 118.176847°W within east edge of buffer as crews start weeding buffer area. 0730-830 singing male foraging around old nest site and edge of weed-pulling area, I'm tracking it to see if any nesting behavior. Male heard singing in vicinity of nest site throughout the day.

List of species observed while monitoring:

CALT, SPTO, OATI, LBVI, CASJ, BEWR, HOFI, BGGN, CAQU + fledglings, MODD, LEGO, western fence lizard, ACWO, BHGR, CATH, side-blotched lizard, SOSR, California ground squirrel, Botta's pocket gopher

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew of 5 hand-pulling along access road in southwest sector of LBVI, starting in planted area with non-native grasses, Melilotus, Amaranthus, chicory, Carduus, Conium, etc. Ground under dead grasses is also dense with Medicago burr seeds but won't be able to rake them all up realistically. Rest of crew bagging up yesterday's bundles for dumpster.

0900 the rest of crew (7+ Daniel) is creating line along SE edge of LBVI and working south, away from buffer in field started yesterday (34.190705°N 118.175004°W) to ensure only 5 crew members in total were within buffer.

0930 attempted to clear a narrow path with Daniel and one worker through LBVI buffer to better access crews on either side but woody vegetation is too dense on west side to bother. Afternoon: crews continue to work in same areas; hot weather; low bird activity; no new nesting suspected. Crews stop pulling at 1440. Many stockpiles left in the field due to flakey dumpster service.

Additional Comments

N/A

Signature





photo_1_before_hand-pulling_facingSE.jpg
-118.17692 34.191



photo_2_after_hand-pulling_facingSE.jpg
-118.1769 34.19101



photo_3_after_hand-pulling_facingSE.jpg
-118.17507 34.19102



photo_4_hand-pulling_SE_edge_LBVI_buffer_facingSE.jpg
-118.17509 34.191

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:35	95 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11, plus foreman Daniel, hand-pulling in DG-5, DG-4A, and DG-4.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California quail, California towhee, yellow warbler, song sparrow, Anna's hummingbird, desert cottontail, mourning dove, house finch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Crew working in 3 groups: 5 finishing DG-5 in vireo section (annual non-native grasses), 3 in planted area of DG-4 at south end of parking area (pigweed, mustard, and pepperweed), and 3 in pepperweed field in DG-4A on NE end of trail.

0700 Female yellow warbler foraging in DG-4, then flew into taller trees across the road

0830 crew finished planted area of DG-4 and moved over to DG-4A area after break

1030 crew paused pulling to focus on tarping/hauling piled vegetation while myself and Daniel went to the mining pit to meet with project partners. Crew stopped pulling at 1430.

Additional Comments

N/A

Signature





Before weeding, DG-4A, facing SE.jpg
-118.1712 34.18961



DG-4, weeding in progress, facing W.jpg
-118.17531 34.19188



After weeding, more to do.jpg
-118.17515 34.191



After weeding, DG-4.jpg
-118.17533 34.19188

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jul 31, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	0 %
End of Day	14:45	97 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (11) with foreman Daniel hand-pulling in DG-4 and DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, CATO, BUSH, ANHU, LEGO, Icterus sp., ALHU, BGGN, COYE, HOFI, desert cottontail, gopher, ACWO, CASJ, BLPH, BEWR, CATH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Safety meeting with reminders on COVID and heat warning protocols

0645 Group of 5 starting in planted area along road in NW LBVI section. Other group starting just south of buffer moving E into old YEWA-1 buffer.

1030 Equestrian reported a disconnected irrigation line in north section. Daniel & D went to repair it and check others nearby. Three crew members left in afternoon. Two planned, other due to heat.

1145 Moved both groups to shaded area near YEWA-1 nest, DG-4A. Mostly pepperweed with wild radish and poison hemlock

1405 crew member found single egg on ground while weeding. No visible nest nearby or above. Looks non-viable. Allowed work to continue.

1430 crew stopped pulling. Have to leave piled vegetation because dumpster is full and will not be replaced until Monday.

Additional Comments

N/A

Signature

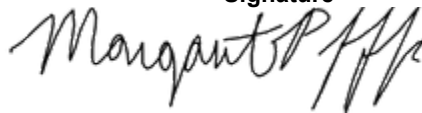




Photo 1-before weeding, DG-4.jpg
-118.17621 34.1919



Photo 2-before weeding, edge of old YEWA-1 buffer, facing E.jpg
-118.17674 34.19068



Photo 3- after weeding same as photo 1.jpg
-118.17616 34.1919



Photo 4-after weeding, piled vegetation due to full dumpster.jpg
-118.17682 34.19071

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 3, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	0 %
End of Day	14:40	87 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (8) led by Daniel hand-pulling in southern DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, LEGO, CALT, CATH, CASJ, NUWO, HOFI, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Observed crew hand-pulling in same area as Friday afternoon, focusing on planted area of DG-4. Weeds were primarily perennial pepperweed with some hemlock and wild radish

0815 Checked several protective plant cages and found some native annuals among weeds, but not the container plants. Asked crew to remove cages until plants are replaced.

1210 Two crews sent to check all irrigation timers on west side for 2 hours

1340 Crew member with irritant stuck in his eye, Daniel assisted with eye drops and flushing. Returned to work 30 minutes later.

1400 Dumpster replaced, crew is leaving vegetation piled from Friday and today until tomorrow. Stopped pulling and begin cleaning up, checking microlines at 1435.

Additional Comments

N/A

Signature





Before starting, DG-4 planted area, facing NE.jpg
-118.17129 34.18846



After clearing, with piled vegetation.jpg
-118.17675 34.18959

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 4, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	15:00	85 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4. Three workers spent about 5 hours on maintenance instead of weeding.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA, ACWO, BEWR, ALHU, BARS, BUSH, SOSP, ANHU, HOFI, NUWO, BLPH, BGGN

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew resuming work in same area as yesterday: a large open-canopy area within YEWA-1 buffer (released), partially overlapping planted section. Weeds are primarily green pepperweed growth with some poison hemlock, lamb's quarters, etc. After a pre-work survey I advised crews to be aware of black and yellow garden spiders. Sure enough, I translocated several large spiders out of the immediate work area. Bird activity is light. Excavation work is very close to our position which inhibits some bird detection due to noise.

1340 crew done pulling. Now bagging bundles and checking water lines. I go with 2 guys to several locations within LBVI buffer while they inspect drippers.

1445 had to leave about 15 bags of waste near road due to full dumpster.

Additional Comments

All photos from same work area.

Signature





Photo_1_hand-pulling_facingS.jpg
-118.17651 34.1897



Photo_2_after_hand-pulling_facingS.jpg
-118.17651 34.18972



photo_3_after_hand-pulling_facingE.jpg
-118.17675 34.18964

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 5, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	15:00	83 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4, DG-4A.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

LBVI briefly singing in buffer/territory around 0800 (approx. 34.191561°N 118.176164°W).

List of species observed while monitoring:

BLPH, SOSP, BEWR, LBVI, YEWA, LEGO, HOFI, HUVI, CASJ. Big-eared woodrat, coastal whiptail, western fence lizard BGGN

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew continuing in same areas as yesterday, in/around YEWA-1 buffer. Pulling mostly pepperweed in open areas and into willow forest canopy. 3-5 guys working further to the NE, removing pepperweed under willow canopy, while rest of crew focuses on pepperweed and hemlock closer to the service road.
1345 woodrat living inside irrigation valve box. Not removed, can escape on own.

Additional Comments

N/A

Signature





photo_1-before_hand-pulling_facingNW.jpg
-118.17675 34.18956



photo_2-after_hand-pulling_facingNW.jpg
-118.17675 34.1896



photo_3-before_hand-pulling_facingSE.jpg
-118.17658 34.18951



photo_4-after_hand-pulling_facingSE.jpg
-118.17651 34.1895

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 6, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	100 %
End of Day	14:45	78 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (8), led by Daniel, hand-pulling in DG-4 and DG-4A

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BLPH, HOFI, CALT, DEJU, CASJ, BUSH, OATI, HOWR, ANHU, NRWS, MODO, female HOOR, BARS, YEWA, WEWP, BEWR, RTHA, SOSP, RSHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

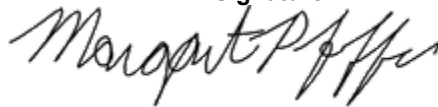
Crew is continuing to hand-pull in the same area of DG-4A as previous day. Weed species are primarily perennial pepperweed with some wild radish and curly dock. Dumpster is still full, so there are dozens of piles throughout the work area.

1015 A pair of yellow warblers and a juvenile, foraging together in willows and mulefat about 100ft from the crew. Observed for approximately 30 minutes. Female hooded oriole foraging and calling nearby, but male not visible.
1430 crew stopped pulling

Additional Comments

N/A

Signature





Before clearing, DG-4A, facing E.jpg
-118.17681 34.1894



Large open area of DG-4A to be cleared over next several days, facing S.jpg
-118.17662 34.18954



After clearing, vegetation piled.jpg
-118.1766 34.18956

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	0-3 MPH	0 %
End of Day	15:00	84 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in SW project area in DG-4. Actually three of the crew did maintenance until 1315, leaving only six plus foreman conducting weeding.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

LBVI, possible juvenile, foraging and singing broken, unpolished song just south of work area at 34.189444°N 118.176615°W, in area of willows but no understory (formerly pepperweed, now pulled). Also a WAVI in here chasing either another WAVI or second LBVI.

List of species observed while monitoring:

YEWA, BEWR, SPTO, CALT, ANHU, ALHU, CASJ, HOFI, BGGN, ACWO, BLPH, NUWO, MODO, BARS, OATI, BUSH, SOSP, LBVI, WAVI, LEGO, AMCR, western fence lizard, side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 three workers doing irrigation maintenance while five bagging piles in yesterday's work area and two bagging piles at S edge of LBVI buffer.

0900 YEWA fledgling at 34.189606°N 118.177255°W by road, nearby failed YEWA nest and possibly same adults that renested.

0920 currently 4 workers in yesterday's area to S, 2 in LBVI S edge, all rest are at northwest end of restoration area, doing maintenance. I checked on them, met Carley with ECORP, and visited the coyote den that was still wet from a recent leak. No obvious fresh tracks present but soil may be hard/crusty from wetness. In S end where work took place this week, there was more raking and bundling of bags than actual weed pulling. Crews headed back to dumpster at 1440.

Additional Comments

Photo 3 has more bags than what is shown in photo 1 because they contain weeds from left of frame, see photo 4.

Signature





photo_1-raking_bagging_facingW.jpg
-118.17674 34.18961



photo_2-finishing_up_bagging_in_LBVI_buffer_facingE.jpg
-118.17713 34.19069



photo_3-after_raking_bagging_facingW.jpg
-118.17669 34.18958



photo_4-area_weeded_and_raked_facingS.jpg
-118.17679 34.18962

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 10, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	14:50	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (9) led by Daniel, bagging piled vegetation and weeding in patches previously missed in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BLPH, LEGO, CALT, YEWA, ALHU, ANHU, SPTO, HOFI, SOSP, BGGN, CORA, ATFL, PSFL, HOOR, CASJ, MOD0

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Crew begins tarping vegetation pulled last week and hauling these and tarps from Friday to the truck/dumpster. Expecting two empty dumpsters today.

0710 Briefly saw a female YEWA foraging in an oak near the road where the crew is loading the truck with tarps. Hear male calling from willows near YEWA-1.

0750 4 guys moved to hand-pull pepperweed along trail and poison hemlock along edge of old buffer near patch of evening primrose.

1230 Moved two guys pulling near primrose to a shadier area next to other pair pulling along the trail.

1330 crew finished hauling piles from previous days and joined in hand-pulling. Several eucalyptus re-sprouts cut back.

1440 crew stopped pulling.

Additional Comments

N/A

Signature





Tarps left from Friday to be hauled this AM.jpg
-118.17687 34.18966



Vegetation piles to be tarped and hauled.jpg
-118.17648 34.18971



Before weeding, DG-4A, facing N.jpg
-118.17696 34.1901



Section previously missed along trail, facing W.jpg
-118.17688 34.18968

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 11, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	15:00	89 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 hand-pulling in SW project area: DG-4, DG-4A

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

0940 LBVI singing along N edge of nesting buffer near dumpster area (34.191770°N 118.175847°W).

List of species observed while monitoring:

HOFI, SOSP, BHGR, CALT, ACWO, ANHU, ALHU, CASJ, BTPI, MODO, LEGO, HOOR, YEWA still singing; 40+ HOFI foraging in adjacent weed-cleared area, western fence lizard, side-blotched lizard, BUSH, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Crew continues hand-pulling in same area as yesterday. 5 workers near old YEWA-1 nest getting pepperweed near willows and 3 getting hemlock and pepperweed within primrose stand around old COYE-1 nest.
1120 dumpster truck arrives, removes full dumpster, delivers empty one, now there is one full and one empty on-site.
1130 crews are moving from sunny areas (DG-4) to shaded areas under willows (DG-4A) as the heat picks up.
1445 crew wrapping up, headed to dumpster while I take photos, inspect site, complete daily log.

Additional Comments

N/A

Signature





photo_1-DG-4_starting_hand-pulling_facingN.jpg
-118.17688 34.19005



photo_2_DG-4_DG-4A_hand-pulling_raking_facingS.jpg
-118.1769 34.18997



photo_3-DG-4A_after_pulling_facingNW.jpg
-118.17687 34.18972



photo_4-DG-4A_after_pulling_facingS.jpg
-118.17713 34.18986

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 12, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	15:00	98 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 hand-pulling in SW project area: DG-4, DG-4A. 1130-1345 two workers doing maintenance to the N.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

0700 LBVI singing in LBVI buffer, along both sides of road in coast live oaks and willows, centered at approximately 34.191312°N 118.176593°W. No suspected nesting.

List of species observed while monitoring:

BLPH, ACWO, HUVI, LEGO, SOS, YEWA, CATH, CASJ, MODO, dozens of HOFI again foraging in cleared areas, gulf fritillary butterfly investigating Passiflora leaves, big-eared woodrat middens (nearly every day to date),

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew continuing pulling in same area as yesterday. Getting under willow/box elder canopy (DG-4A), primarily pepperweed with poison hemlock, Raphanus sativa, and Passiflora caerulea vines. Some small Ailanthus trees being cut with machetes in DG-4A.

1000 we looked at a large (8 in. dbh) Ailanthus in willow forest and I felt it was too large to safely cut down without collateral damage to willows and danger to crew; but one small side sprout was removed.

1130 two workers headed to check drippers to the north ('maintenance'), back at 1345. Hot conditions (97°F) require more frequent breaks.

1435 crews done pulling pepperweed, Ficus in shady interior of willow/box elder forest, then bagging and hauling.

Additional Comments

N/A

Signature





photo_1-hand-pulling_facingSW.jpg



photo_2-hand-pulling_DG-4A_facingSE.jpg
-118.17687 34.19002



photo_3-before_hand-pulling_facingW.jpg
-118.17667 34.18993



photo_4-after_hand-pulling_facingW.jpg
-118.17657 34.18995

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	100 %
End of Day	14:45	93 °F	0-3 MPH	40 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (10), led by Didier, hand-weeding in DG-4 and DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, HOWR, ALHU, BGGN, SOSP, LEGO, ACWO, WEBL, CALT, CASJ, MODO, BLPH, BEWR, SPTO, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 very light rain until 730. WEEP trained new Labor Finders worker (Miguel) before starting work. Observed hand-pulling in willow forest in DG-4 and DG-4A. Majority of weeds pulled were perennial pepperweed.
1430 Crew filling last tarps and starting to clean up

Additional Comments

N/A

Signature





Before weeding DG-4A facing E.jpg
-118.17642 34.19004



After weeding same as previous.jpg
-118.17633 34.19002



Continuing hand-pulling in DG-4A facing NE.jpg
-118.17634 34.19001



Large area cleared between willows facing NE.jpg
-118.17626 34.1901

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Aug 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	74 °F	7-9 MPH	25 %
End of Day	14:03	101 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (9) hand-pulling in DG-4 & DG-4A

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

Voice only, singing ~20m north of work site.

List of species observed while monitoring:

LBVI, YEWA, HOWR, BEWR, CASJ, WBNU, WEBL, NUWO, OATI, HOFI, BGGN, ANHU, ALHU, MODO, BLPH, AMCR, CORA, HOOR, BHGR, WIWA, OCWA, DOWO.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Margie Pfeffer present on site, completed WEEP training at 0700. Observed hand pulling in DG-4/DG-4A, main weed pulled was pepperweed with some tree of heaven. 2 crew members went to check microlines at 1315. Crew stopped pulling at 1400; rest of workday spent carrying tarps with already-pulled weeds.

Additional Comments

N/A

Signature





DG-4_tree_of_heaven.jpg
-118.17698 34.19013



Vegetation_clearing_before_facingE.jpg
-118.17617 34.19005



Vegetation_clearing_after_facingE.jpg
-118.17605 34.19005

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 17, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	73 °F	0-3 MPH	80 %
End of Day	14:55	97 °F	4-6 MPH	40 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (10) hand-pulling in DG-4 and DG-4A. Led by Daniel Holmes.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

LEGO, MODO, BGGN, SOSP, HOWR, HOFI, SPTO, BARS, ANHU, BUSH, ACWO, ALHU, YEWA, CATH, CASJ, CORA, big-eared woodrat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

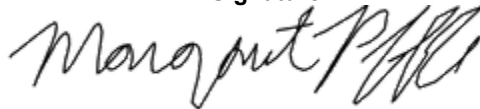
0635 Discovered irrigation box with missing timer, leaking onto road next to DG-5. Daniel and Didier found a second missing. Sent two crew to check all boxes along trails. Rest of crew beginning day in open field in DG-4A, pulling seeding poison hemlock and perennial pepperweed.

0705 YEWA heard singing south of work area, near YEWA-1, no visual, after break crew moved to nearby shady areas to continue weeding, primarily dried out poison hemlock and some flowering *Hirschfeldia incana*. Due to cloud cover, crew able to move back to area weeded this morning. Stopped pulling at 1435, then did water safety meeting.

Additional Comments

N/A

Signature





Weeding in DG-4A while still cool, facing N.jpg
-118.17691 34.19011



Weeding continues DG-4A, facing W.jpg
-118.17734 34.1907

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 18, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	50 %
End of Day	13:35	107 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4, DG-4A.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, CASJ, BEWR, CATH, HOFI, HOOR, AMCR, ACWO, YEWA, SOSP, LEGO, BLPH, California ground squirrel, MODO, side-blotched lizard, western fence lizard, GHOW

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 work is taking place on south side of LBVI buffer. Hot day expected. Three workers just within buffer and six outside of buffer to S. Pulling/raking Conium, Hirschfeldia, Lactuca, annual grasses in open-canopy area before a planned move to under forest canopy when heat picks up.

0950 workers starting to move under nearby forest canopy for Lepidium, some Conium. Current temp=90°.

1130 after lunch it is 100°.

1315 temp at 105°.

1335 crews are done pulling due to heat. Daniel is going to give them a long safety meeting then have them check some drip lines to finish around 1500 hrs. I am taking photos and completing daily log until leaving at 1400. 107° in parking lot.

Additional Comments

N/A

Signature





photo_1-hand-pulling_facingS.jpg
-118.17676 34.19046



photo_2-hand-pulling_raking_DG-4_facingN.jpg
-118.17605 34.18983



photo_3-after_hand-pulling_see_photo2_facingN.jpg



photo_4-after_hand-pulling_see_photo1_facingS.jpg

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: Aug 19, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	75 °F	0-3 MPH	20 %
End of Day	15:00	101 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (10 individuals) hand pulling in DG-4A.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, LEGO, HOFI, RSHA, BGGN, RTHA, WIWA, RCPA, DOWO, ACWO, BEWR, SOSP, BUSH, ALHU, ANHU, CASJ, BLPH, AMCR

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0615: WEEP training with Margie.

0630: Natures Image crew (10 individuals) hand pulling in DG-4A. Majority of non-native invasive removal is pepperweed and hemlock.

1000: Crew continued work in DG-4A, working near old YEWA-1 nest, getting pepperweed near willows.

1445: Crew wrapping up, cleaned up trash, and headed to dumpster while I take photos, inspect site, complete daily log.

Additional Comments

N/A

Signature





Vegetation_bags_after_clearing_facingS.jpg
-118.17681 34.18959



Vegetation_clearing_after_facingSW.jpg
-118.17682 34.18955

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 20, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	10 %
End of Day	14:20	98 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (10) hand-pulling in DG-4 and DG-4A, led by Daniel

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, ANHU, CALT, BGGN, LEGO, MODO, OATI, ACWO, HOFI, CORA, desert cottontail, tiger swallowtail, HOWR, CATH, HOOR, BLPH, CASJ, WBNU, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Began work in same area as previous morning. 5 crew in DG-4 within LBVI-1 buffer. Remaining crew just south of buffer in DG-4A. Pulling mainly dried poison hemlock and perennial pepperweed.

1030 crew in LBVI-1 buffer ran out of work in the shade and moved south to help other group tarp up their vegetation piles and piles from Tuesday. Also beginning to weed in DG-4 drainage, mostly pepperweed and curly dock

1130-1430 Two crew checking irrigation in north end on west side.

1410 Crew stopped pulling and began cleaning up

Additional Comments

N/A

Signature





Before weeding_DG-4_facing E.jpg
-118.1763 34.19064



After weeding, DG-4, facing E.jpg
-118.17627 34.19065



Before weeding DG-4 drainage, facingE.jpg
-118.17636 34.18999

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Aug 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	4-6 MPH	5 %
End of Day	14:10	97 °F	7-9 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew hand pulling, racking, and hoeing pepperweed and some Himalayan blackberry in DG-4 and DG-4 drainage

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

Voice only; singing male present on territory for several months.

List of species observed while monitoring:

YEWA, LBVI, BUSH, HOOR, GHOW, MODO, WBNU, WIWA, ANHU, ALHU, PSFL, WEBL, ACWO, NUWO, OATI, CATH, CALT, LEGO, HOFI, BGGN, HOWR, BEWR, SPTO, SOSPO, COYE, BHGR, CASJ, RSHA, San Diego alligator lizard (*Elgaria multicarinata webbii*), coastal whiptail (*Aspidoscelis tigris stejnegeri*).

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew split into two teams of 3 & 6. One team working in the gulch, other working in a shaded area to the north of gulch. Both areas in DG-4. Both teams raking & hoeing weedy understory, including Himalayan blackberry & pepperweed.

0736 biologist DKB found a roosting GHOW (see photo). After consulting with foreman Daniel it was decided to move the crew further south to avoid disturbing the owl, at risk of disturbance and heat stress if work continued in the area.

0745 full crew worked in area south of original location, still in DG-4 and still raking/hoeing understory debris.

Observed 3 Yellow Warblers — 2 singing males & 1 female-type. 1 LBVI heard singing in a known territory. Two crew members left to check microlines at 1140 through rest of day.

1200-1430 crew was just hand-pulling or hoeing < 3-inch tall pepperweed.

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingS.jpg
-118.17738 34.18902



Roosting_great_horned_owl.jpg



Vegetation_clearing_after_facingS.jpg
-118.17739 34.189

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	0 %
End of Day	14:40	89 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) led by Daniel, hand-pulling in DG-4 south and east of old YEWA-1 nest.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, GHOW, ANHU, CORA, CALT, BEWR, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 WEEP trained temporary worker (Julio) before starting work.

0700 Daniel showed me great-horned owl at its roost in area cleared last week. Agreed to keep crew moving south to avoid disturbance during heatwave.

0715 Found fallen dead limbs pulling down a live willow near ESA fence. Daniel assigned two crew to cut/rearrange weighing branches and relieve pressure.

1130 Didier and another crew member went to check on irrigation boxes. Two more timers were stolen last week.

Crew stopped pulling at 1430, began cleaning up. Weeds pulled were predominately pepperweed with some mustard and smilo grass.

Additional Comments

N/A

Signature





Before weeding DG-4A facing NW.jpg
-118.17653 34.18923



After weeding_same view as above.jpg
-118.17645 34.18916

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	20 %
End of Day	14:30	96 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes hand-pulling in SW project area. 0900-1400: 2 workers leave for irrigation maintenance.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, ALHU, BEWR, GHOW, HOFI, CALT, BUSH, CASJ, CAQU, YEWA, SPTO, RCPA, MODO, ACWO, side-blotched lizard, western fence lizard, coastal whiptail, big-eared woodrat middens, WREN.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 workers hand-pulling in DG-4, DG-SF-2, DG-4-sheetflow, primarily pepperweed with some hemlock, Himalayan blackberry, fig. 0700 Daniel shows me great-horned owl roost (approx 34.190530°N 118.176186°W); I marked it in Collector for avoidance on hot days to minimize stress to the owl. Back with group, no nesting birds, lots of yellow jackets and spiders. Hot temps = more water breaks. Crew done pulling at 1415. I stay until 1430 to finish log.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4_facingNE.jpg
-118.17637 34.18935



photo_3-hand-pulling_DG-4_facingE.jpg
-118.17611 34.18942

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Aug 26, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	20 %
End of Day	14:45	96 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in SW project area. 0830-1330 2 workers away doing irrigation maintenance.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ALHU, ANHU, big-eared woodrat, BEWR, BHGR, HOFI, BLPH, YEWA, California vole, PSFL, CALT, western fence lizard, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew continues in area from yesterday: DG-4, DG-4 sheetflow, DG-SF-2 near construction fence. Weeds consist of mostly pepperweed under willow canopy; out in the open it is still primarily pepperweed but with hemlock, Italian thistle, curly dock, and small Eucalyptus.

0850 one crew member took me to a planted location at the southern boundary where a large black willow limb (9-in. dbh, 35 feet long) collapsed onto a planted area (DG-4; 34.186531°N 118.177134°W). I checked it and surrounding area for bird nests, etc., with no sensitive species found (nearby YEWA singing). They will return with chainsaw to remove it.

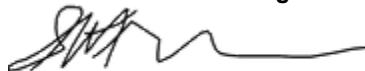
0930 at primary work area, large yellow-jacket nest in ground under pepperweed disturbed, 2 workers stung. Nearby, one California vole encountered in pepperweed, allowed to flee into brush. Continue in DG-4 etc in afternoon.

1430 crew done pulling.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4_facingN.jpg
-118.1759 34.18952



photo_2_hand-pulling_DG-4-sheetflow_facingSE.jpg
-118.17619 34.18958



photo_3_collapsed_limb_on_plantings_DG-4_facingN.jpg
-118.17716 34.18652



photo_4-after_hand-pulling_DG-4_sheetflow_facingSE.jpg
-118.17616 34.18966

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 27, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:40	97 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) hand-pulling in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BEWR, ANHU, DEJU, CALT, BUSH, SOSPO, SPTO, desert cottontail, bobcat, western toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew hand-pulling in open area on edge of DG-4 moving N towards DG-4A. Weeds pulled are mainly perennial pepperweed with some curly dock, eucalyptus sprouts, and poison hemlock.
0945 Crew relocated to south end to hand-pull in shade. A willow has fallen across the abandoned access road, on the edge of the planted area.

1300 Two crew leave to hand water plantings with missing timers.

1430 Crew stopped pulling. Confused hiker found us below Berkshire Creek so crew raked leaf litter to mask trail.

Additional Comments

N/A

Signature





Hand-pulling in progress_DG-4_ facing NW.jpg
-118.1759 34.18957



Fallen willow blocking south end access_facing N.jpg
-118.17718 34.18756



Cleared area of DG-4 with piled vegetation.jpg
-118.17714 34.18752

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Aug 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:00	90 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew clearing understory weeds (pepperweed) using hoes, pitchforks, rakes.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA (same singing male present here 7+ days, + 1 female-type seen at southern edge of where crew was working). BGGN, HOFI, PSFL, BUSH, CATH, CASJ, CALT, BEWR, RTHA, WBNU, ACWO, NUWO, GHOW (same individual seen last week, in same roost location), western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Crew raking understory and hand-pulling pepperweed in DG-4A.

1003 relocated a mouse that Didier found. GHOW roosting in the same location as previously observed, not near where crew was working. 2 hours maintenance done. Crew stopped pulling at 1400.

Additional Comments

N/A

Signature





vegetation_clearing_before_facingW.jpg
-118.17579 34.18961



Vegetation_clearing_during_facingN.jpg
-118.17589 34.18974



Vegetation_clearing_after_facingN.jpg
-118.17591 34.18974

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Aug 31, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:45	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (11) hand-pulling in DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, COYE, CORA, CAQU, CATH, HOFI, CALT, ANHU, HOOR, SOSP, BUSH, coastal whiptail, crew saw 3 coyotes, GHOW

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Daniel takes crew's temperatures with forehead reader, then brief safety meeting.

0645 Cooler temps forecasted so crew hand-pulls in open field of perennial pepperweed on E edge of LBVI buffer.

Two crew members check irrigation until 1200. Crew pulls pepperweed as well as tocalote, eucalyptus resprouts, and mustard.

1415 spotted the great-horned owl on a horizontal branch, high in a willow south of where the crew has been working. Likely the same individual we have seen in the last few weeks.

1420 crew stopped pulling.

Additional Comments

N/A

Signature





Before weeding open field_DG-4A_facing E.jpg
-118.17524 34.19061



After weeding same view as above.jpg
-118.17533 34.19093

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Sep 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:15	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) hand-pulling in DG-4A and DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MODO, CALT, CORA, GHOW, CATH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew hand-pulling in two groups on north edge of DG-4A open field, moving into mulefat scrub. Weeds pulled are perennial pepperweed, poison hemlock, mustard, and eucalyptus resprouts.

0800 observed great-horned owl in same roosting place as yesterday afternoon, south of work area. Does not appear disturbed by work.

0915 two crew peel off to weed small planted area along north side of trail, DG-4, moving into pockets of pepperweed in mulefat.

1400 crew stopped pulling, clean up and haul piled vegetation.

Additional Comments

N/A

Signature





Photo 1-before_clearing edge of DG-4A_ facing N.jpg
-118.17511 34.19095



Photo 2-before weeding_DG-4A_ facing N.jpg
-118.17468 34.1905



Photo 3-after_same as photo 1.jpg
-118.17511 34.19093



Photo 4-after_same as photo 2.jpg
-118.17485 34.19048

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Sep 2, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	13:15	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in west-central project area: DG-4 willow forest and mule fat scrub. 1100 one worker left. 1230 five workers switch to maintenance. 1310 the remaining four workers switch to maintenance. I leave at 1330 after pics and log completion.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RSHA, COHA, AMCR, CORA all mobbing roosting GHOW east of parking lot. CALT, SPTO, HOFI, RCPA, CASJ, CATH, BUSH, WREN, SOSPO, BARS, CAQU, HOOR, side-blotched Lizard, western fence lizard, coastal whiptail.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew of 3 working within west side of LBVI buffer, 6-7 workers east of there near construction fencing: Conium, Hirschfeldia, Lepidium. The former two species more common in open mule fat scrub, while willow area weeds are primarily Lepidium. There is still a lot of tocalote in the open field by central access road/trail but the yellow jackets seem to attack every time the guys get back in there.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4_facingW.jpg
-118.17513 34.19129



photo_2-manmade_huts_DG-4_facingW.jpg
-118.17431 34.19097



photo_3_after_hand-pulling_DG-4_facingE.jpg
-118.17506 34.19136



photo_4_after_hand-pulling_DG-4_facingS.jpg
-118.17434 34.19098

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Sep 3, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:35	86 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (10) hand-pulling in DG-4 and DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, BLPH, ANHU, CASJ, CAQU, BEWR, CORA, HOFI, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew finishing off section cleared yesterday near ESA fence in DG-4, connecting with planted areas to the north previously cleared.

0830 two crew hand watering planted areas with missing timers.

1045 crew starts pulling dried mustard along access trail. Discovered small patch of arundo behind dead mulefat.

Daniel moved 4 crew to clear trail and control. Removed stalks and dug out roots to prevent resprouts. Woodrat midden built around stalks. Told crew to leave it and will check periodically if nest is active before removing remaining stalks and roots.

1315-1430 two crew left to do irrigation maintenance. Noted strong smell and chunks of rubber in effluent from construction vehicle wheel wash. Notified ECORP.

1430 crew stopped pulling and clean up.

Additional Comments

N/A

Signature





Filling in with native annuals_facingNW.jpg
-118.17451 34.19148



Finishing up open field_DG-4A_facingN.jpg
-118.17519 34.19057



Clearing along access trail_facingNW.jpg
-118.17529 34.19143

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Sep 4, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	0 %
End of Day	14:00	96 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew hand-pulling pepperweed, Himalayan blackberry; understory clearing with rakes, hoes, pitchforks.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RSHA, RTHA, CATH, CALT, BGGN, ANHU, ALHU, LEGO, MODO, ACWO, NUWO, DOWO, WBNU, OCWA, WIWA, BUSH, HOOR, WETA, HOFI, SOSPO, CAQU, multiple western fence lizards.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: crew split into teams of 3 and 6, 3-person team working close to the road, 6-person crew working further east, both in DG-4.

1230 3 crew members went to water plants. Crew stopped pulling at 1400.

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingN.jpg
-118.17549 34.19033



Vegetation_clearing_before_facingS.jpg
-118.17575 34.1902



Vegetation_clearing_after_facingN.jpg
-118.17553 34.1903



Vegetation_clearing_after_facingS.jpg
-118.17571 34.19018

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Sep 8, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	100 %
End of Day	15:00	79 °F	0-3 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 including foreman Daniel Holmes, hand-pulling at SW corner of project area in DG-4, which is willow/sycamore forest. Starting at 34.187629°N 118.177181°W. See log for more detail.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BEWR, SOSR, AMCR, RCPA, BUSH, western toad, NUWO, CALT, SPTO, western fence lizard, side-blotched lizard, HOFI, BLPH, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Southern California Edison doing pole maintenance/replacement at main parking lot, we are diverted to a different location. Starting at 34.187629°N 118.177181°W which is willow/sycamore forest, in planted area.

0730 already have one crew member being stung by yellow jackets.

0745 moving further south to around 34.186684°N 118.177133°W. Weeds include pepperweed, lamb's quarters, wild radish, summer mustard, French broom, Lots of native herbs as well. I point out non-native Erigeron bonariensis growing alongside the more common native Erigeron canadensis (horseweed), although the difference is very subtle and only a few workers are directed to remove the former. I removed some on my own.

1200-1230 meeting on site with Aaron Christensen, environmental monitor for DWP about rubber micro-particles observed on Sept 4 by Natures Image employee in drainage runoff from culvert draining truck wash area. Sent photos to Margie Pfeffer, to be forwarded to Brittany Barker.

1445 crews stop pulling.

Additional Comments

N/A

Signature





photo_1-DG-4_hand-pulling_facingN.jpg
-118.17724 34.18764



photo_2-DG-4_hand-pulling_facingS.jpg
-118.17716 34.18687



photo_3-DG-4_after_hand-pulling_facingS.jpg
-118.17714 34.18682



photo_4-DG-4_after_hand-pulling_facingS.jpg
-118.17733 34.18668

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Sep 9, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	67 °F	0-3 MPH	80 %
End of Day	14:15	86 °F	4-6 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling at SW corner of project area, DG-4. High altitude haze from fires, and morning fog, but smoke from Azusa fire is not blowing our direction.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HUVI, BEWR, SOSP, CALT, LEGO, BUSH, NUWO, HOFI, RCPA, AMCR, BLPH, CATH, CASJ, WEWP, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 hand-pulling in DG-4 within and around planted area. Mature weeds include pepperweed, Summer mustard, curly dock, prickly sow thistle, etc (see yesterday's notes - same area). In watered berms, new seedlings are coming up and require some crew training to identify: hemlock, prickly sow thistle, tocalote, mustards, lamb's quarters, pepperweed, prickly lettuce, etc. Also cutting smaller eucalyptus. Bird activity low, unremarkable. Ficus carica infestation along muddy drainage that drains off road above, cut with loppers. Dysphania ambrosioides, Dysphania pumilio. Crew looked into carrying tarps onto temporary access road to the east, since no excavation activity, but slopes of this recently built up road are too soft. Crew done pulling at 1400.

Additional Comments

N/A

Signature





photo_1-DG-4_before_hand-pulling_facingW.jpg
-118.17693 34.18651



photo_2-DG-4_before_hand-pulling_facingN.jpg
-118.17692 34.18651



photo_3-DG-4_before_hand-pulling_facingSW.jpg
-118.17691 34.18639



photo_4-DG-4_before_hand-pulling_facingSW.jpg
-118.17692 34.18647

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Sep 10, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	100 %
End of Day	14:05	84 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) hand-pulling in south end of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, SOSP, ANHU, BEWR, CALT, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 One group pulling dead mustards and cutting french broom (*Genista monspessulana*) along concrete access road at southernmost end of DG-4. Another group cut down common fig at the bottom of the slope. Continued pulling mustard, pepperweed and poison hemlock along slope. Watching air quality station at Hillside School, was high in the morning but below 150 by 1100. Crew stopped pulling at 1400.

Additional Comments

N/A

Signature





Weeding along access road_facing S.jpg
-118.17752 34.18663



Removing figs_facing SE.jpg
-118.17719 34.18645



Weed control in process_facing S.jpg
-118.17769 34.18701

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Sep 11, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	100 %
End of Day	11:00	75 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew; vegetation clearing — hand-pulling pepperweed and French broom, raking/hoeing understory.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, BUSH, YEWA, WIWA, ACWO, ANHU, CALT, WBNU, OATI, HUVI, Gulf Fritillary

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Vegetation clearing in southernmost section of DG-4.

1026: 4-person crew doing line maintenance.

1100-1500: maintenance by whole crew, minus 3 running tarps from 1200-1230. Biologist ended vegetation clearing work at 1100 due to health concerns (poor air quality, LRARP AQI > 150).

Additional Comments

Dangerously smoky throughout morning; AQI > 150 from 0630-1100.

Signature





Vegetation_clearing1_at_start_facingSE.jpg
-118.17758 34.18701



Vegetation_clearing1_after_facingNE.jpg
-118.17755 34.18693

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Deven Kammerichs-Berke
Date of Log: Sep 18, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:00	105 °F	0-3 MPH	15 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image Crew hand-pulling and raking pepperweed and horehound in northern portion of DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, BRSP, BTSP, CASJ, SPTO, BUSH, CATH, BEWR, HOWR, 20+ western fence lizards, side-blotched lizards, western skink, southern pacific rattlesnake.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630-1400 Natures Image crew hand pulling vegetation (pepperweed, mustard, white horehound) in northern section of DG-4.

1000 DKB bio observed a small (~6 inch) southern pacific rattlesnake in site; monitored it until it moved a safe distance from the crew on its own.

1130 2 crew members checked microlines. Crew stopped vegetation pulling at 1400. Migrant 1st-cycle BRSP and BTSP observed. Bio did not take "before" photos of site before crew had started work.

Additional Comments

N/A

Signature





Vegetation removal after.jpg



Hand pulling in DG-4.jpg

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: Sep 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	0-3 MPH	0 %
End of Day	13:55	84 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew clearing vegetation, area DG-4, crew of 11

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CAQU, CALT, LEGO, WTSW, BEWR, SOSF, RTHA, COHA. Botta's pocket gopher observed running across work area, eventually finding shelter outside of work area. California king snake observed at edge of work area, hid under a mule fat.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0615: received WEEP training with Margie

0630: monitored vegetation clearing, poison hemlock, mustard, perennial pepperweed

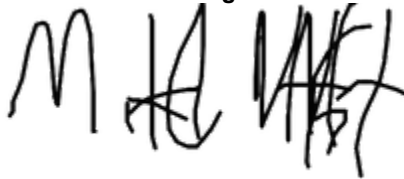
1314: 2 crew members broke off to do maintenance for ~2 hours.

1355: crew wrapped up weed removal, began packing up removed weeds and taking them to dumpster while I took photos, inspected site, complete daily log.

Additional Comments

N/A

Signature





Handpulling_DG-4_before_facing_east.jpg
-118.17252 34.19361



Handpulling_DG-4_after_facing_east.jpg
-118.17251 34.19361

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Sep 22, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:00	88 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling primarily in DG-7, some in DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, CALT, CANG, SOSP, BEWR, SPTO, CORA, CASJ, WCSP, COHA, side-blotched lizard, southern alligator lizard, coastal whiptail, BLPH, ANHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew is hand-pulling pepperweed, black mustard, summer mustard on terrace above main wash in NW project area. Vegetation cover here is 99% non-native herbaceous; removing weeds reveals bare ground. Some weeds are left along soft precipitous edge of bank for safety, will likely wash into reservoir gravel area slope with first big rain. Additional weeds include tree tobacco, castor bean, horehound.

1000 southern alligator lizard relocated from work area to nearby willow canopy. Also chased off several coastal whiptails from harm's way. Air quality not an issue this morning - Bobcat fire smoke is just visible above ridge but wind is blowing from the south.

1200 some smoke is creeping over mountains toward us but air quality still moderate. Also pulling weeds in bowl area on west side of terrace, between planted areas. This area is DG-4A. Stopped pulling at 1400.

Additional Comments

N/A

Signature





photo_1-DG-7_hand-pulling_facingS.jpg
-118.17241 34.19357



photo_2-DG-7_hand-pulling_facingS.jpg
-118.17204 34.19336



photo_3-DG-7_after_hand-pulling_facingS.jpg
-118.17197 34.19369



photo_4-DG-4A_raking-bagging_facingS.jpg
-118.17214 34.19357

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Sep 23, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	13:30	87 °F	4-6 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in NW project area: DG-7 and slightly within DG-4. 4 of the workers are doing irrigation maintenance 0730-1500.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, SAPH, HOFI, WCSP, BLPH, ANHU, LEGO, SPTO, CALT, CASJ, RCPA, 1st yr female vermilion flycatcher (VEFL), coyote, ACWO, CAQU, VGSW, CAKI, BEWR, CORA, BUSH, California ground squirrel, side-blotched lizard, coastal whiptail (a lot of juvenile lizards in general on-site), RTHA, BRSP, Botta's pocket gopher, COYE

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew is finishing up DG-7 terrace area, getting slightly into DG-4.

0730 4 workers leave to do maintenance for rest of day. Several fall bird species on-site. Crew stops pulling at 1315, both dumpsters nearly full. I stay until 1330 to get photos, finish log.

Additional Comments

N/A

Signature





photo_1-DG-7_hand-pulling_facingNE.jpg
-118.17208 34.19348



photo_2-DG-7_DG-4_hand-pulling_facingNE.jpg
-118.17211 34.19365



photo_3-DG-7_after_hand-pulling_facingNE.jpg
-118.17203 34.19348



photo_4-DG-7_DG-4_after_hand-pulling_facingNE.jpg
-118.17207 34.19369

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: Sep 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	10 %
End of Day	15:00	88 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image, 8 crew members, Daniel (lead), using hand tools to pull non-native vegetation from DG-4. Non-natives being removed include: *Nicotiana glauca*, *Conium maculatum*

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, CATH, BUSH, coyote, CORA, SOSP, CASJ, LEGO, BEWR, ANHU, SAPH, BLPH, ROWR, RCPA, RTHA, RWBU, coast horned lizard, side-blotched lizard, MODO, BGGN, WCSP, NUWO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: crew met briefly for a quick tailboard. Eight crew members with hand tools continued work in DG-4 pulling non-natives including hemlock, tree tobacco. Crew avoided revegetated natives including willow and mule fat cuttings. Afternoon a few crew members moved to DG-7 to gather previously cut non-natives and carry them out. Besides multiple young coastal whiptail lizards, no other sensitive species were observed. Some winter migrants observed. 1445 crew started to wrap up for the day. All trash was removed from site. Biologist completed report for the day.

Additional Comments

N/A

Signature





Vegetation_clearing_during_facingE.jpg
-118.17226 34.19388



Vegetation_clearing_after_facingE.jpg
-118.17231 34.1939



Vegetation_clearing_during_facingSE.jpg
-118.17193 34.19362



Vegetation_removal_after_facingNW.jpg
-118.1721 34.19359

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Sep 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:35	60 °F	0-3 MPH	0 %
End of Day	14:00	83 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (11) hand-weeding in DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SAPH, ANHU, CALT, CATH, CASJ, BLPH, RTHA, BEWR

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0735 arrived on site. Scheduled monitor called in sick. While waiting for a monitor, crew worked on hauling out vegetation left yesterday. Three crew cleaning/organizing equipment container until 1145. Observed hand-pulling mustard, poison hemlock, and perennial pepperweed in DG-4A, moving south from area cleared previous days. 1400 crew stopped pulling and spent remaining time tarping and hauling vegetation to dumpsters.

Additional Comments

N/A

Signature





Before weeding DG-4A_facing SW.jpg
-118.17241 34.19339



Weeding continues_DG-4A_facing S.jpg
-118.17245 34.19355



After weeding_piled vegetation.jpg
-118.17229 34.19336

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: September 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	4-6 MPH	0 %
End of Day	15:00	91 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures image crew of 8 pulling in NW project area, DG-4A

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

PHAI, ANHU, CALT, SAPH, CASJ, BLPH, MODO, NUWO, CAKI, BEWR, CATH, SOSP, NOMO, BGGN, western fence lizard, coastal whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew continues pulling south in DG-4A targeting poison hemlock, perennial pepperweed, mustard, castor bean.

1000 crew member unearths wasp hive, nobody is stung.

1130 sweep area north of current work area (DG-4) for tomorrow. No sensitive species found.

1430 crew starts wrapping up as I inspect site, take photos, complete log.

Additional Comments

Signature





Photo_1_Vegetation_clearing_before_facing_south_DG-4A.jpg
-118.17251 34.19329



Photo_2_Vegetation_clearing_after_facing_south_DG-4A.jpg
-118.17248 34.19332



Photo_3_Underground_wasp_hive_general_location_facing_SW.jpg
-118.17252 34.19338

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: September 29, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:00	99 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman hand-pulling in NW project area, primarily in DG-4A before 1100 and DG-4 1130-1330 (see below).

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CALT, HOFI, RCPA, WCSP, AMCR, CATH, BGGN, CAQU, coastal whiptail, side-blotched lizard, SOSP

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew is continuing yesterday's work southward in DG-4A, getting into willow/planting canopy of DG-4. This area is virtually 100% non-native weed cover (pepperweed, hemlock, mustards) with no native shrubs. Tree tobacco and castor bean growing along the edge in the irrigated plantings. I gave environmental training to new worker, Pablo Muñoz.

0810 harvest mouse in work area; I could not capture it but was able to herd it into the nearby willow stand.

0900 crew has inadvertently scattered/raked some likely rabbit carcass pieces around and the yellow jackets started swarming. I used a shovel to move as much of the carcass as possible to a different area. The yellow jackets don't seem to be aggressive while they are feeding on the meat (vs. near a nest, for example).

1130 after lunch, 1 worker left, 4 workers in DG-4 willows (pepperweed, hemlock, mustards, tree tobacco) and 5 in DG-4 buckwheat/coastal sage scrub by parking lot. DG-4 buckwheat has pepperweed, horehound, summer mustard, scarlet pimpernel. I showed several of the crew the native telegraph weed sprouts (vs pepperweed), and native *Navarretia hamata* vs *tocalote*.

1300 temp in parking lot is 97°F.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4A_facingE.jpg
-118.17273 34.19322



photo_2-hand-pulling_DG-4A_facingE.jpg
-118.17008 34.19274



photo_3-hand-pulling_DG-4_DG-4A_facingS.jpg
-118.17276 34.19366



photo_4-after-hand-pulling_DG-4A_facingE.jpg
-118.17273 34.19323

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: September 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:55	102 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 including foreman Daniel Holmes hand-pulling in NW project area. 2 workers broke off for maintenance/repair work on irrigation for 2 hours in the afternoon.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, CATH, CALT, RCPA, WCSP, ANHU, HOFI, SAPH, BLPH, SOSP, CASJ, COHA, California ground squirrel, side-blotched lizard, coastal whiptail, western fence lizard, desert cottontail, western toad.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: 4 workers bagging up loose material from yesterday in DG-4/DG-4A near coyote den. Others are pulling weeds further north around plantings and mule fat in DG-4. Hot day, frequent water breaks.

1030 western toad encountered in mule fat area - it was able to escape into the mule fat canopy on its own.

1230 crew that were bagging weeds in first area are done and move to where others are working, still in mule fat area (pepperweed, hemlock, mustards, castor bean).

1245 temp is 101°. Workers stopped pulling at 1440 to bag stuff up.

Additional Comments

N/A

Signature





photo_1-bagging_DG-4_DG-4A_facingE.jpg
-118.17271 34.19332



photo_2-hand-pulling_DG-4_facingE.jpg
-118.17229 34.19391



photo_3-hand-pulling_DG-4_facingN.jpg
-118.17204 34.19372



photo_4-after-bagging_DG-4_DG-4A_facingS.jpg
-118.17264 34.19333