

Devil's Gate Reservoir Restoration Project Second Quarter Compliance Report Activities Occurring Between April 2020 and June 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 second quarter of 2020 (April through June). This Quarterly Compliance Report satisfies Condition 6.7 in the Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the Project from the California Department of Fish and Wildlife (CDFW), dated July 16, 2018.

Condition 6.7 in the ITP states:

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

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

2.0 COVERED ACTIVITIES

2.1 Preconstruction Surveys

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

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

Preconstruction surveys for least Bell's vireo (*Vireo bellii pusillus*) started 30 days prior to the anticipated start of ground-disturbing construction activities to prepare the site for sediment removal, which was scheduled to occur on April 16, 2020. Surveys continued weekly, with three surveys occurring during the week prior to the initiation of activities (and the final survey occurring 24 hours before). Due to several iterations of postponement of the official start date of Project activities, a total of 18 preconstruction least

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

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

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

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

2.2 Breeding Season Surveys

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

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

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

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

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

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

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

2.3 Biological Monitoring

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

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

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

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

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

Table 3. Monitors Onsite During Work Days.

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

* = First Day of Sediment Removal Hauling Activities

* = LBVI approved biologist

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

2.4 Project Activities

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

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

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

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

2.5 Habitat Restoration Activities

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

- Restoration activities continued from April 1, 2020 through June 30, 2020.
- Low-growing non-native plants (primarily perennial pepperweed [*Lepidium latifolium*], black mustard [*Brassica nigra*], wild radish [*Raphanus sativus*], poison hemlock [*Conium maculatum*], ripgut brome [*Bromus diandrus*], cheatgrass [*Bromus tectorum*], totalote [*Centaurea melitensis*], Italian thistle [*Carduus pycnocephalus*], yellow sweetclover [*Melilotus indicus*], Indian plantain [*Plantago arenaria*], black nightshade [*Solanum nigrum*], London rocket [*Sisymbrium irio*], curly dock [*Rumex crispus*], tree of heaven [*Ailanthus altissima*], and wild oat [*Avena fatua*]) were removed from the DG-2, DG-2A, DG-2B, DG-3A, DG-4, DG-4B, DG-4C, and DG-4 WOUS, onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Regrowth of eucalyptus tree stumps were treated using copper nails. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- A weed steamer machine (Weedtechnics SW900) was used in DG-4 to target nonnative plants including perennial pepperweed, poison hemlock, and black mustard in lieu of permission to apply herbicide. The weed steamer machine uses a hose with a nozzle or a hood to target only the nonnative species. The hot water vapor from the steamer machine shocks the target plant species causing dieback in the plant.

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

3.0 SATISFACTION OF ITP CONDITIONS

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

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

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

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

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
BIOLOGICAL RESOURCES							
MM BIO – 1: A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2020 second quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 second quarter reporting period. See Table 3 for details.
MM BIO – 2: Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 situation, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 second quarter reporting period.
MM BIO – 3: Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (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. Details on detections of least Bell's vireo during surveys are provided in Sections 2.1 and 2.2 above.
MM BIO – 4: LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established boundaries of the project. Prior to commencement of sediment removal activities within bird breeding season (March 1-August 31), a preconstruction bird nesting survey shall be conducted by a qualified biologist for the presence of any nesting bird within 300 feet of the construction work area. The surveys shall be conducted 30 days prior to the disturbance of suitable nesting habitat by a qualified biologist with experience in conducting nesting bird surveys. The surveys shall continue on a weekly basis with the last survey being conducted no more than	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		3/15/19 - 4/14/19, 3/16/20 - 5/19/20	Preconstruction surveys for nesting birds were completed during the second quarter of 2020. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated

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

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<p>three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.</p> <p>If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.</p>							Biologists monitored Project and restoration activities daily during the nesting season during the second quarter 2020 reporting period.
<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>	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/06/2018 – 11/08/2018	Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2020 second quarter reporting period.
<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 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. • 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 	Reservoir Management	Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	Restoration activities were continued during the 2020 second quarter reporting period.

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

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<p>percent cover of native plant species, percent cover of nonnative and invasive plant species, and native plant species richness (number of different plant species).</p> <ul style="list-style-type: none"> 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. 							
<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 monitor shall implement measures to protect the root zone of oak trees that may be impacted immediately adjacent to the project site and along access roads. The acreage occupied by the canopies of the native city-protected trees to be removed will determine the appropriate level of tree replacement. LACFCD shall identify tree replacement areas that are no less than the acreage of the native city-protected tree canopies to be removed. Priority for tree replacement locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed. The number of replacement</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> Conduct Tree Survey Identify and Protect Oak Tree Root Zones Identify/Map Mitigation Sites Prepare Habitat Restoration Plan 	<p>Pre-Sediment Removal; Sediment Removal; 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 	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>10/02/2018 – 10/05/2018</p>	<p>Preconstruction tree surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2020 second quarter reporting period. Restoration activities were continued during the 2020 second quarter reporting period.</p>

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

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
trees installed by LACFCD will be greater than the number of trees to be removed should the replacement tree be smaller and younger than the tree to be removed. LACFCD shall monitor the survival of the replacement trees for five years and replace those that do not survive within the monitoring period, ensuring that not less than 1:1 ratio of replacement, or no net loss, has been achieved.	<ul style="list-style-type: none"> • Install Plant Materials • Monitor Installation • Install Irrigation, if Necessary • Prepare As-Built Report • Conduct Maintenance • Prepare Monitoring Reports 	<ul style="list-style-type: none"> • Prepare Monitoring Reports • Prepare Annual Reports • Achieve Mitigation Site Sign-Off 					
<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 that the sites contain not less than a 1:1 replacement of riparian habitats, sensitive natural communities, and federally protected wetlands 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 riparian habitats, sensitive natural communities, and federally protected wetlands has been achieved. • Implement adaptive management measures if, during monitoring, the mitigation sites do not 	<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	Restoration activities were continued during the 2020 second quarter reporting period.

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

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<p>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:</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 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 Preconstruction Survey Report

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

Appendix C – Construction Monitoring Logs

Appendix D – Habitat Restoration Monitoring Logs

Least Bell's Vireo Preconstruction Survey Report

July 6, 2020
(2018-047.019)

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

Subject: Least Bell's Vireo Preconstruction Surveys for the Devil's Gate Reservoir Restoration Project, in the City of Pasadena, California

Dear Mr. Gim,

This letter report has been prepared to present the results of preconstruction surveys for least Bell's Vireo (*Vireo bellii pusillus*) conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project in the City of Pasadena, Los Angeles County, California. The preconstruction surveys for least Bell's vireo were conducted to comply with Condition 7.3.2 in the California Department of Fish and Wildlife (CDFW) Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the Devil's Gate Reservoir Restoration Project (Project), which states:

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

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

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

SURVEY METHODS

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

conditions were favorable in accordance with USFWS 2001 protocol (nesting season) guidelines.¹ Meandering transects were walked throughout suitable least Bell's vireo habitat areas within 500 feet of the Project boundaries to visually and audibly detect the presence of least Bell's vireo. All bird and wildlife species detected during the survey were recorded on standardized data sheets. All surveys were conducted in compliance with the Nesting Bird Management Plan prepared for the Project.²

RESULTS

Preconstruction least Bell's vireo surveys began on March 16, 2020, 30 days prior to the originally scheduled start of Project activities which was planned for April 16, 2020. Surveys continued weekly, with three surveys occurring during the week prior to the start of Project activities and the final survey occurring the day prior to the start of Project activities. Due to several iterations of postponement of the official start date of Project activities, a total of 18 preconstruction least Bell's vireo surveys were conducted between March 16 and May 19, 2020. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist. The dates, personnel, and weather conditions for each survey are presented in Table 1. Survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
03/16/20	TD	0655	1030	55	59	80	70	0-1	4-6
03/25/20	TD	0645	1040	51	60	85	60	0-1	0-3
04/02/20	TD	0715	1100	61	65	75	70	0-1	0-2
04/10/20	JC	0710	0942	48	48	100	100	1-3	0
04/13/20	CT	0650	1100	59	57	75	100	0-1	0-2
04/16/20	JC	0715	1010	52	66	0	0	0	0
04/17/20	JC	0705	1001	54	57	100	100	0	0
04/20/20	JC	0715	1030	54	61	100	100	0	1-3
04/23/20	JC	0700	0940	61	73	20	5	0	1-3
04/27/20	JC	0715	1000	59	73	0	0	0	1-3
04/29/20	JC	0715	1000	63	68	50	50	0	1-3
05/05/20	CT	0615	1028	61	82	0	0	1-2	1-2
05/07/20	SS	0600	1056	64	79	20	10	0-1	1-3
05/11/20	SS	0610	1041	61	74	100	30	1-3	1-3
05/12/20	JC	0700	1045	55	66	40	95	0	1-3
05/15/20	SS	0608	1219	55	83	100	100	1-3	1-3
05/18/20	JC	0710	0945	63	63	100	100	1-3	1-3
05/19/20	JC	0705	1015	55	63	10	35	1-3	1-3

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

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

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

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

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

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

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

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

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

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

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

DISCUSSION

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

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

SIGNED: 

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

DATE: July 6, 2020

Attachments:

Attachment A: Survey Datasheets

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

Attachment C: Wildlife Species Observed

ATTACHMENT A

Survey Datasheets

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

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

Date Observed

03/16/2020

Observer Name

Taylor Dee

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

N/A

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

03/25/2020

Observer Name

Taylor Dee

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

N/A

Incidental Species Observed

LISP, TUVU, WTSW, western fence

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

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/02/2020

Observer Name

Taylor Dee

Number of Cowbird Individuals

0

Locations

N/a

Other Sensitive Species Observations

N/A

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/10/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/13/2020

Observer Name

Christine Tischer

Number of Cowbird Individuals

4

Locations

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

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/16/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/17/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/20/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

1

Locations

391732E 3784027N

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/23/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/27/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

N/A

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

04/29/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

05/05/2020

Observer Name

Christine Tischer

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

Tire washout has been covered to deter BLPH from nesting.

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

05/07/2020

Observer Name

Shannan Shaffer

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

N/A

Log Completed?

Yes

Were Least Bell's Vireo Observed

No

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

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

Date Observed

05/11/2020

Observer Name

Shannan Shaffer

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

Yes

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

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

Date Observed

05/12/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

Yes

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

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

Date Observed

05/15/2020

Observer Name

Shannan Shaffer

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

N/A

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

Yes

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

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

Date Observed

05/18/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

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

Log Completed?

Yes

Were Least Bell's Vireo Observed

Yes

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

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

Date Observed

05/19/2020

Observer Name

Jill Coumoutso

Number of Cowbird Individuals

0

Locations

N/A

Other Sensitive Species Observations

YEWA

Incidental Species Observed

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

Additional Notes

Adult LBVI scolding a CASJ

Log Completed?

Yes

Were Least Bell's Vireo Observed

Yes

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

Location: N:\2014\2014-003_008 Devils Gate Mitigation Plan\MapStos_and_mitigation_monitoring\2020\DC_LBVI_monitoring_20200528.mxd (MAG)-mguidry 5/28/2020

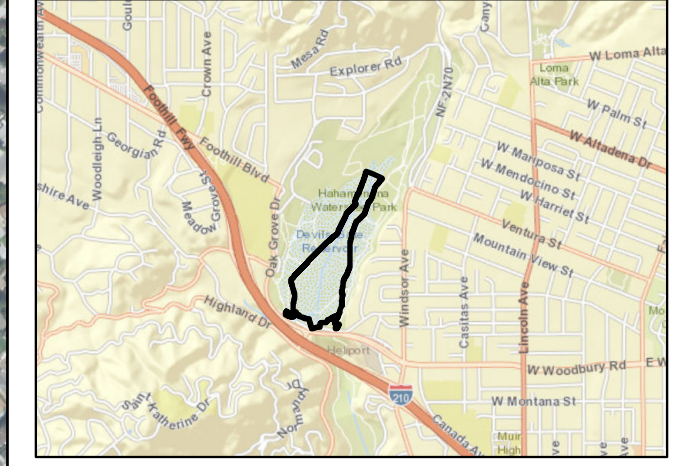


Figure 1.
Least Bell's Vireo Nest and Territory Location

Map Features

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

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



Wildlife Species Observed

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

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

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

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

*Nonnative species

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

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

Weekly Least Bell's Vireo Survey and Monitoring Memos

Memorandum

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

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

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

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

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

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

within 300-feet of the observation.

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

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

Project Activities – Week of May 18, 2020

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

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

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
05/18/20	Jill Coumoutso
05/19/20	Jill Coumoutso
05/21/20	Shannan Shaffer

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

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

Least Bell's Vireo Noise Monitoring

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

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

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

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

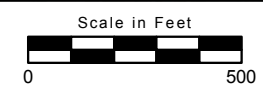
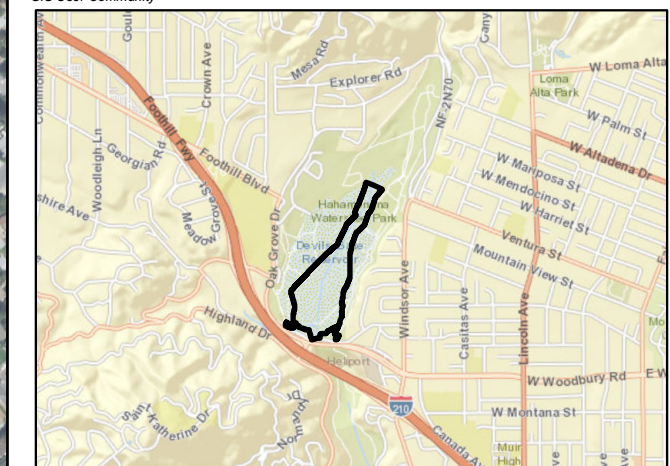
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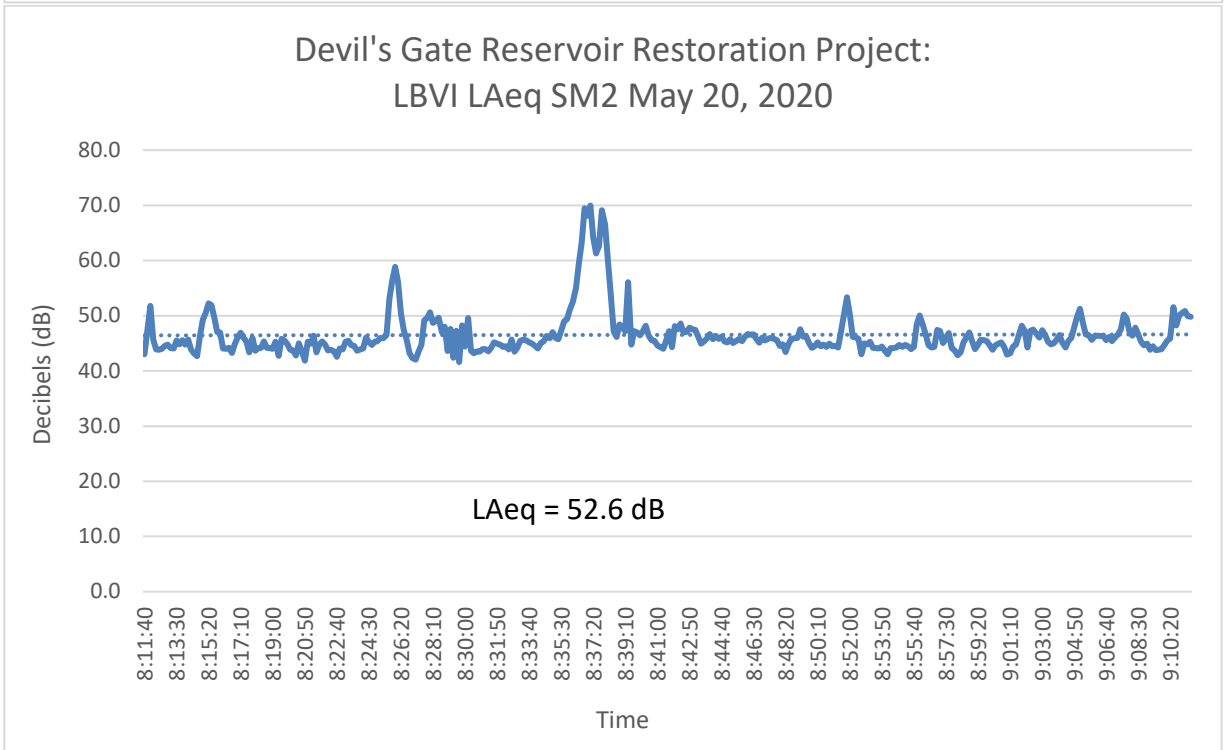
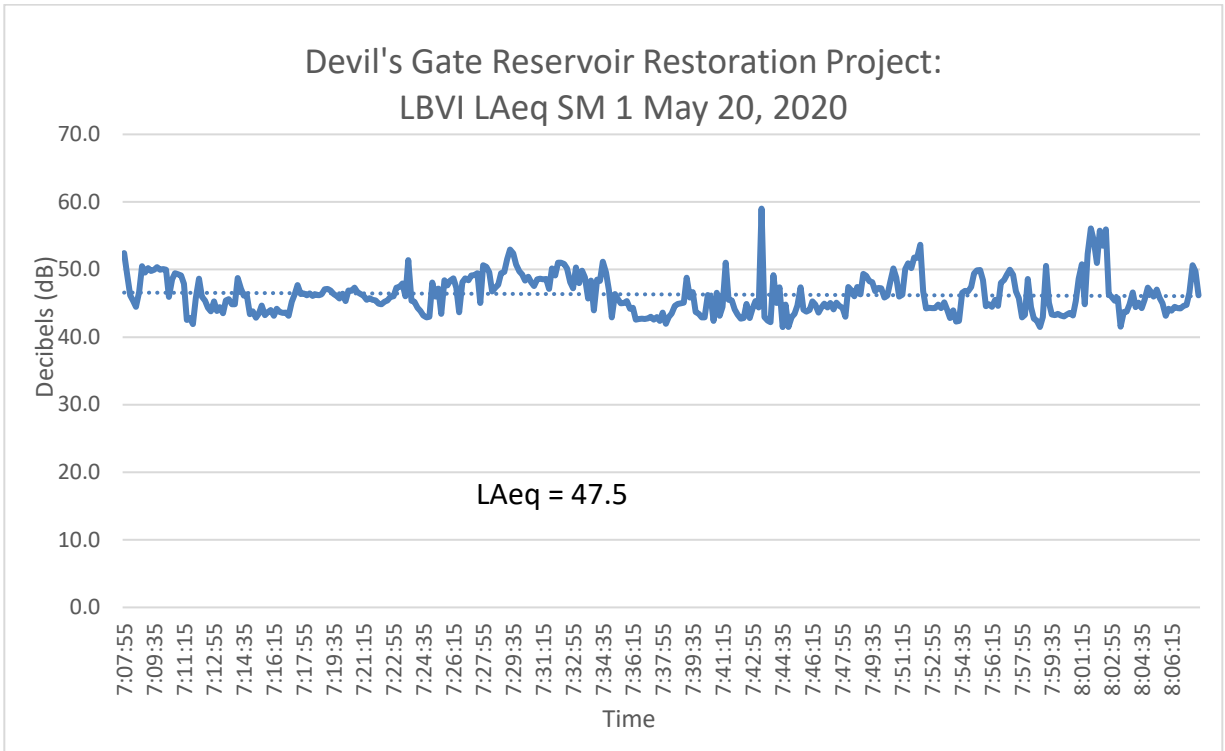


Figure 1.
Least Bell's Vireo Monitoring

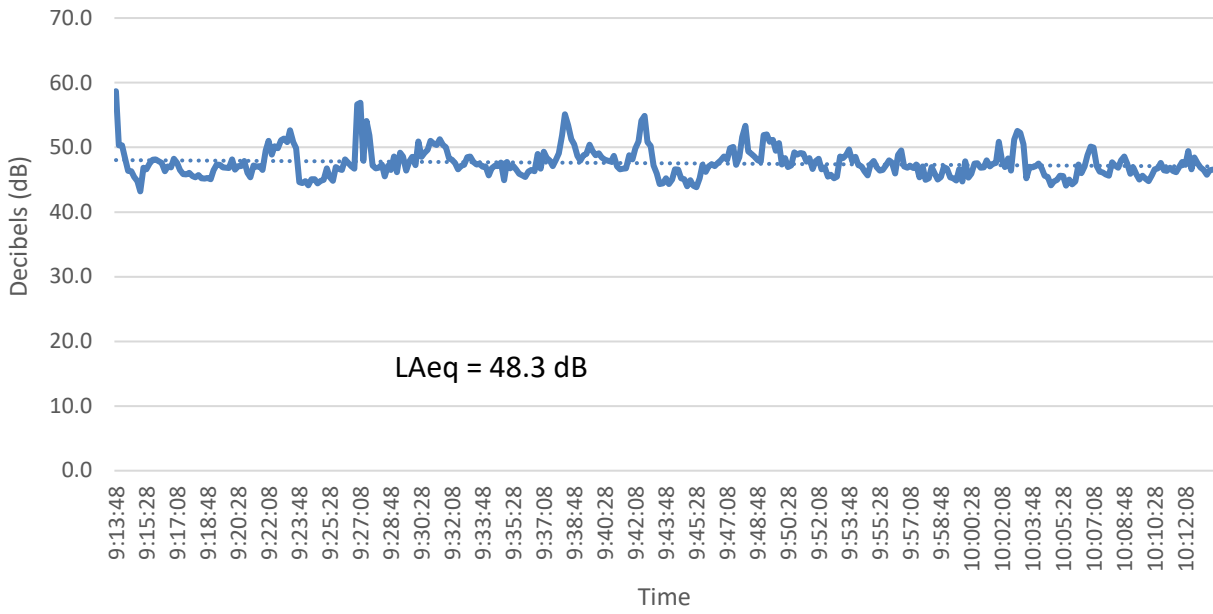
- Map Features**
-  Initial Project Footprint
 -  Initial Project Footprint 500' Buffer
 -  Least Bell's Vireo Nest
 -  Least Bell's Vireo Territory
 -  Least Bell's Vireo Nest 300' Buffer

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

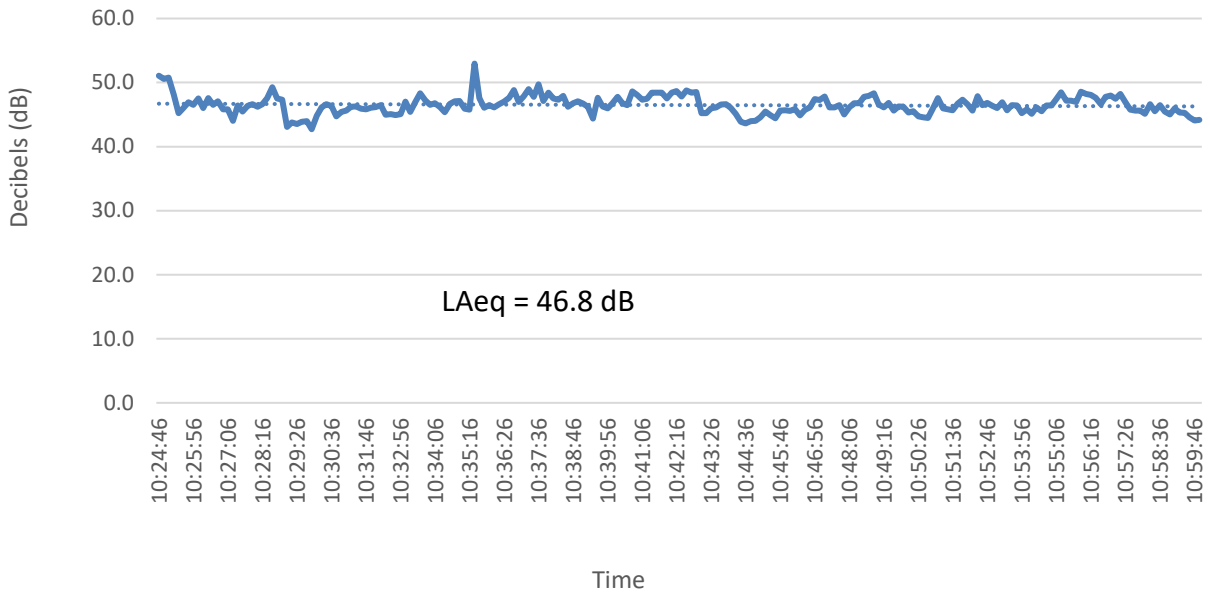




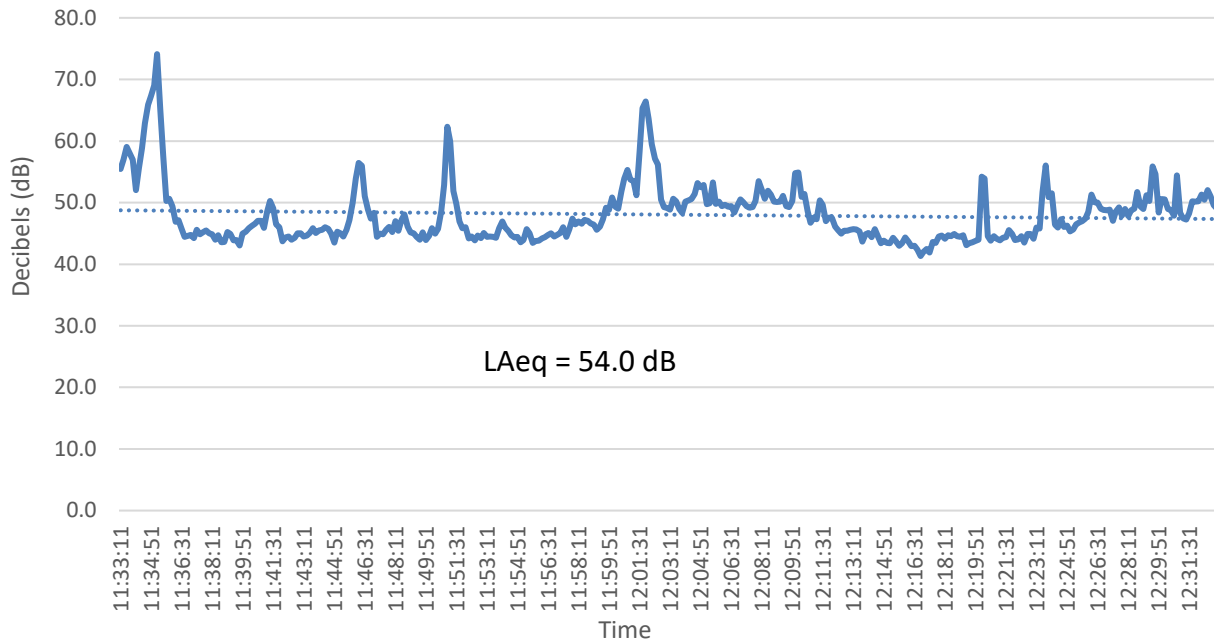
Devil's Gate Reservoir Restoration Project:
LBVI LAeq SM 3 May 20, 2020



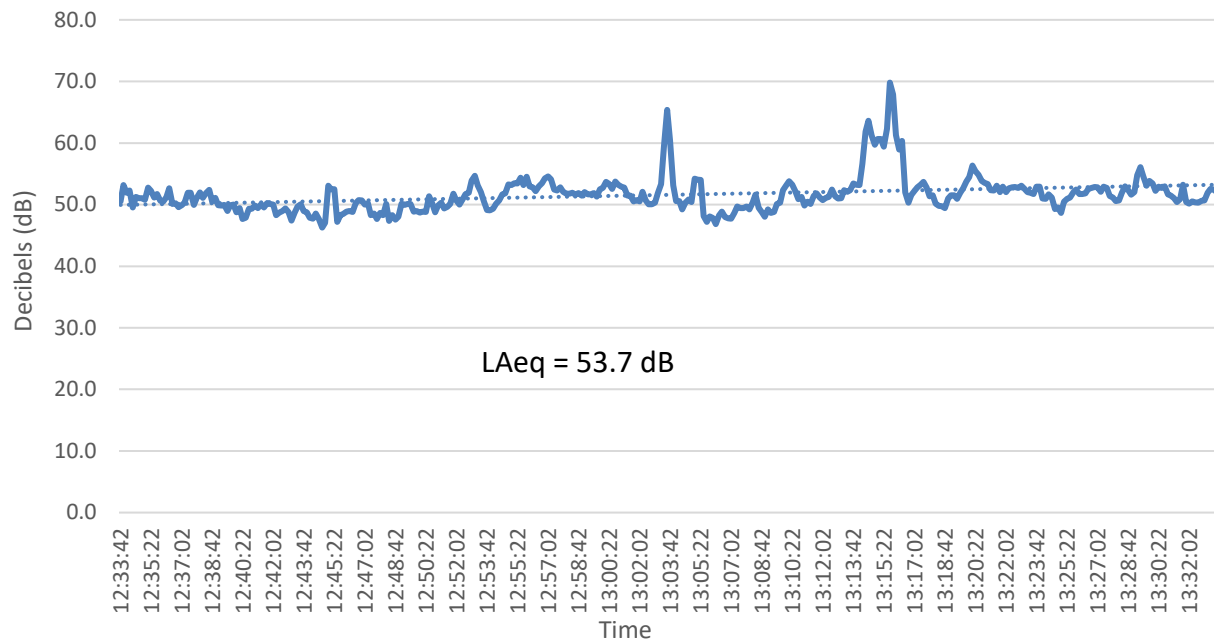
Devil's Gate Reservoir Restoration Project:
LBVI LAeq SM 4 May 20, 2020



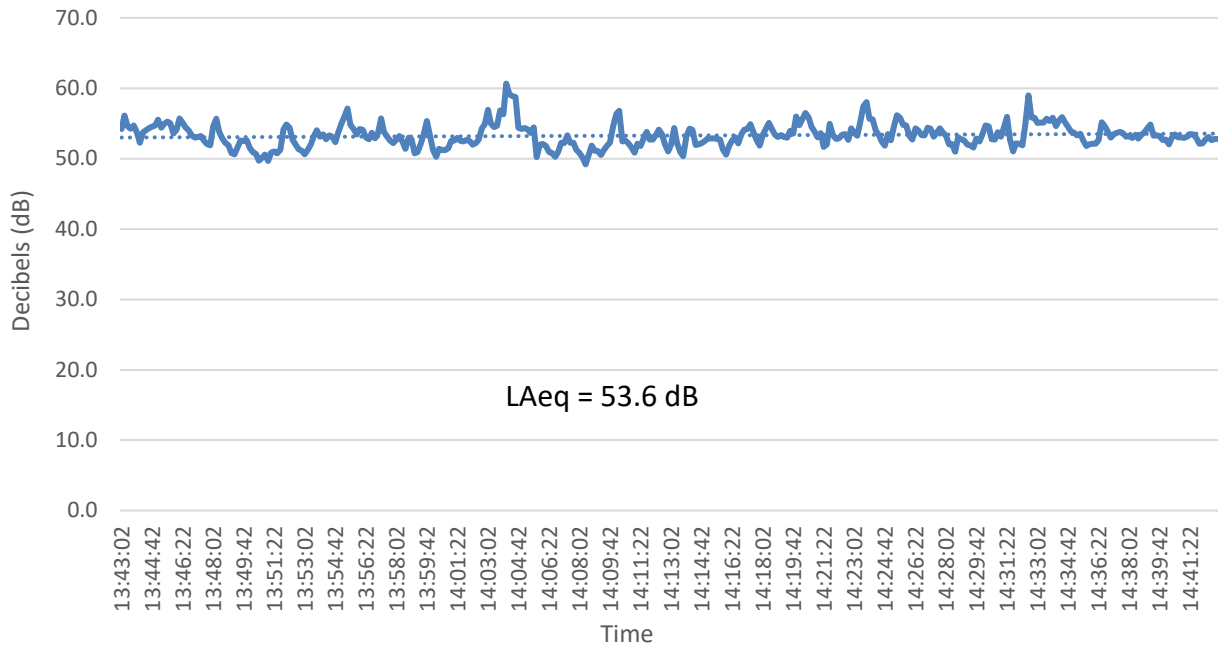
Devil's Gate Reservoir Restoration Project:
LBVI LAeq SM 5 May 20, 2020



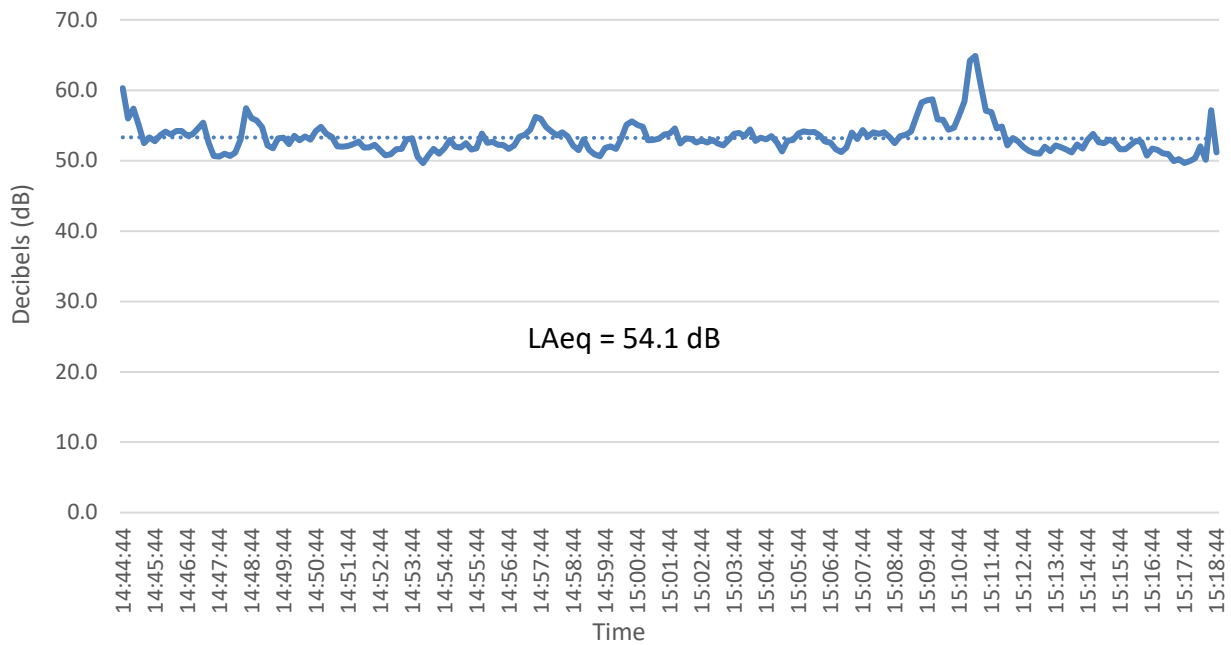
Devil's Gate Reservoir Restoration Project:
LBVI LAeq SM 6 May 20, 2020



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



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



Memorandum

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

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

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

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

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

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

Project Activities – Week of May 25, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
05/26/20	Shannan Shaffer
05/28/20	Shannan Shaffer

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

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

Attachments:

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




ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

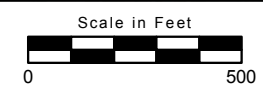
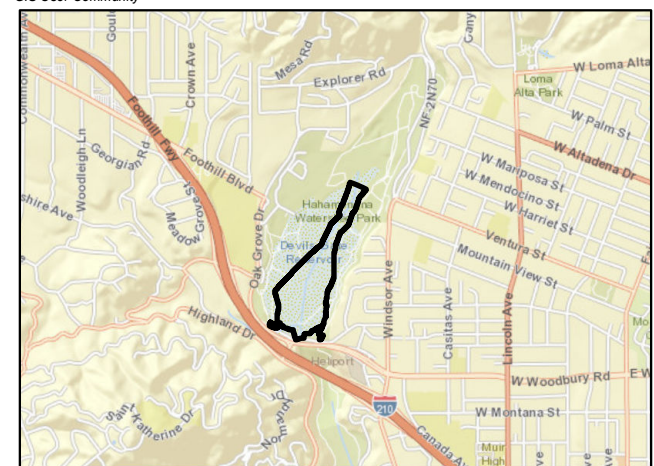
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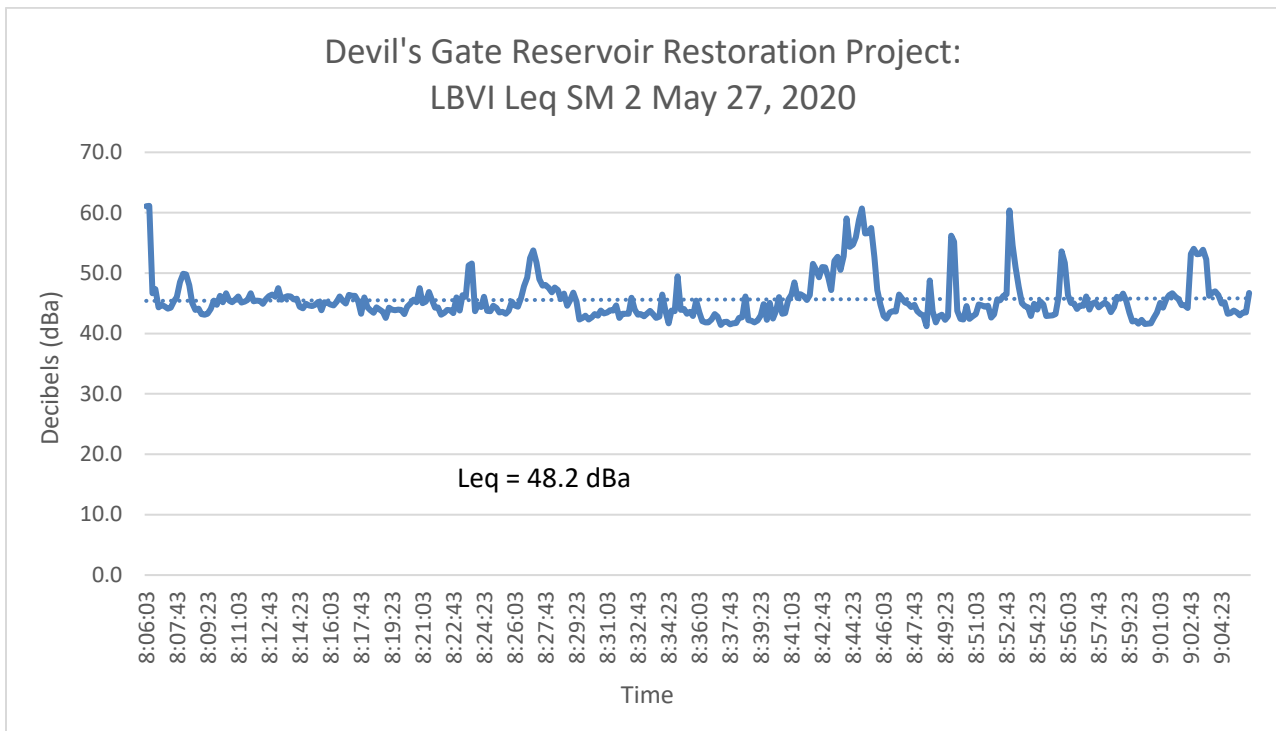
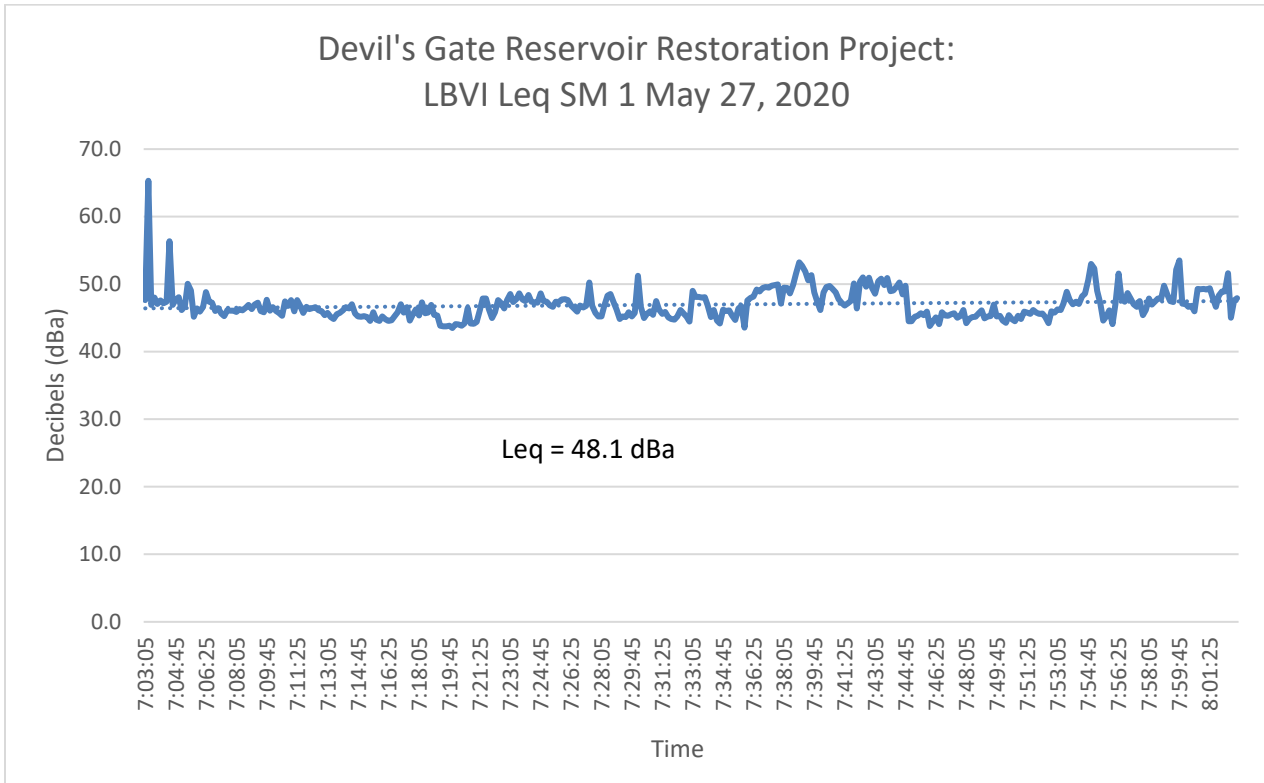


Figure 1.
Least Bell's Vireo Monitoring

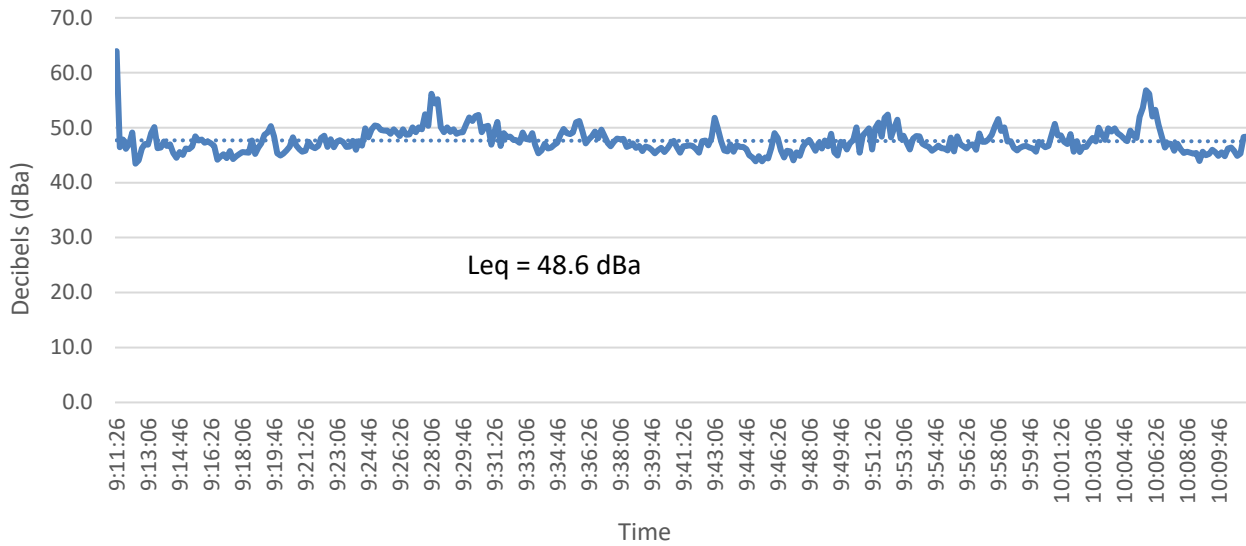
- Map Features**
-  Initial Project Footprint
 -  Initial Project Footprint 500' Buffer
 -  Least Bell's Vireo Nest
 -  Least Bell's Vireo Territory
 -  Least Bell's Vireo Nest 300' Buffer

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

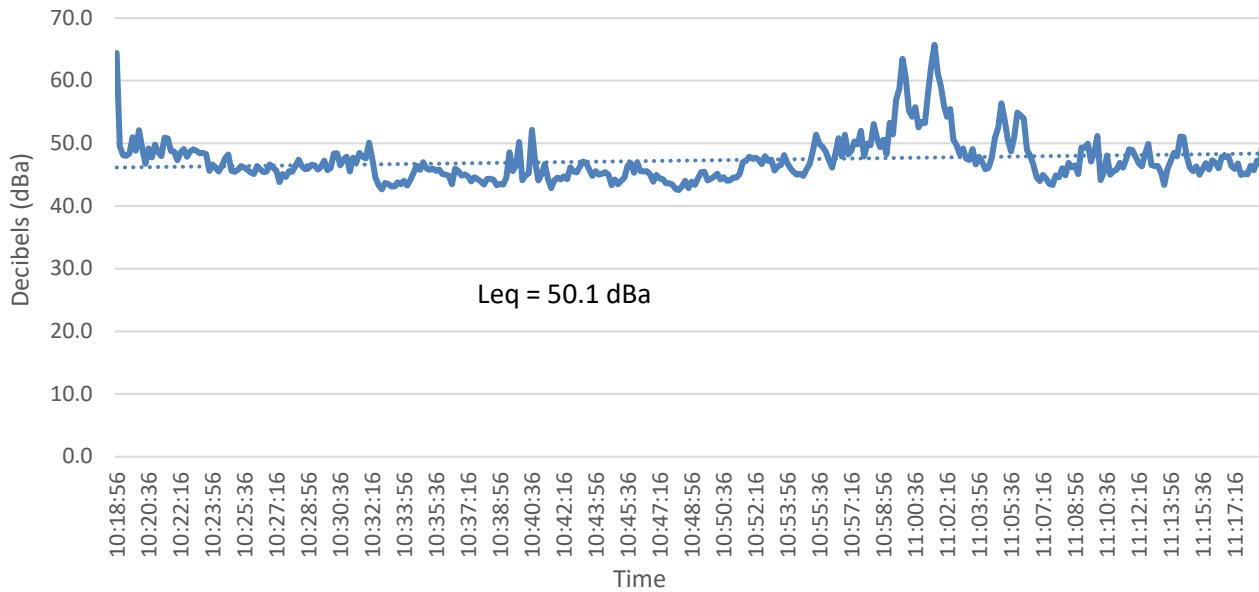




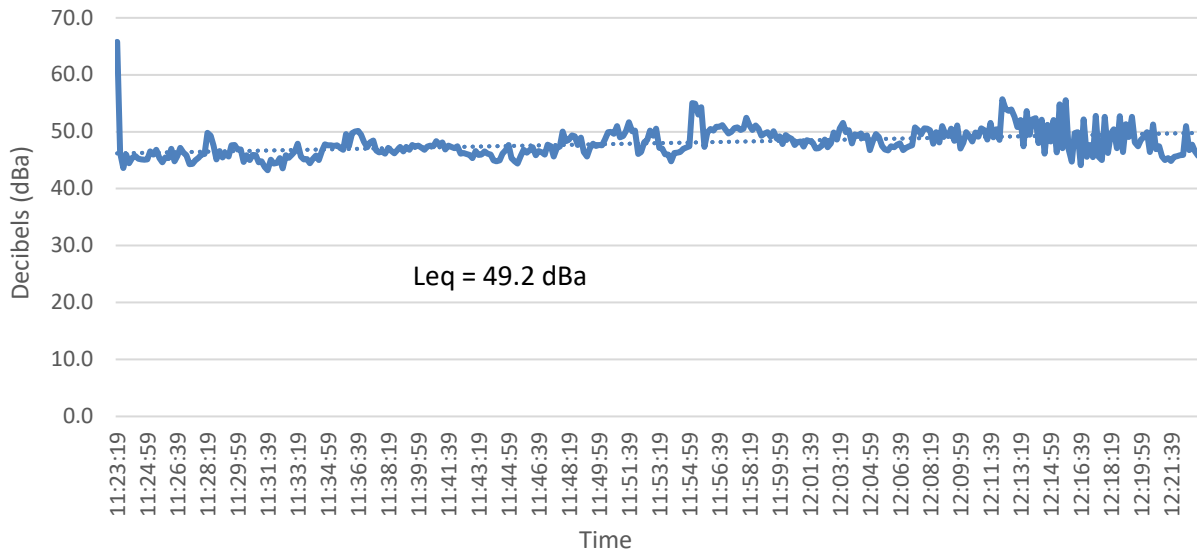
Devil's Gate Reservoir Restoration Project:
LBVI Leq SM 3 May 27, 2020



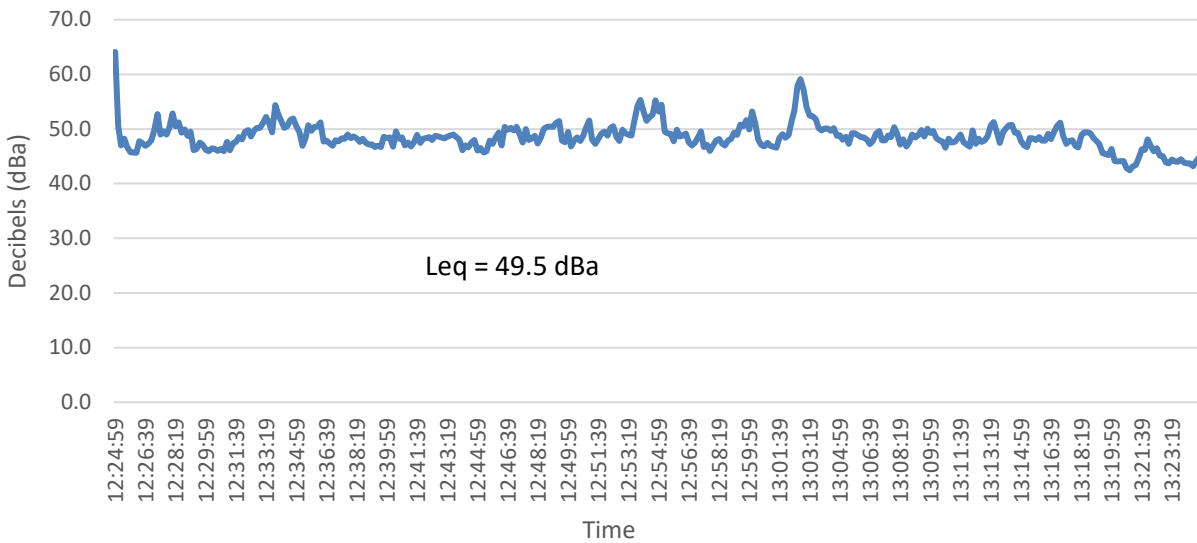
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LBVI Leq SM 4 May 27, 2020



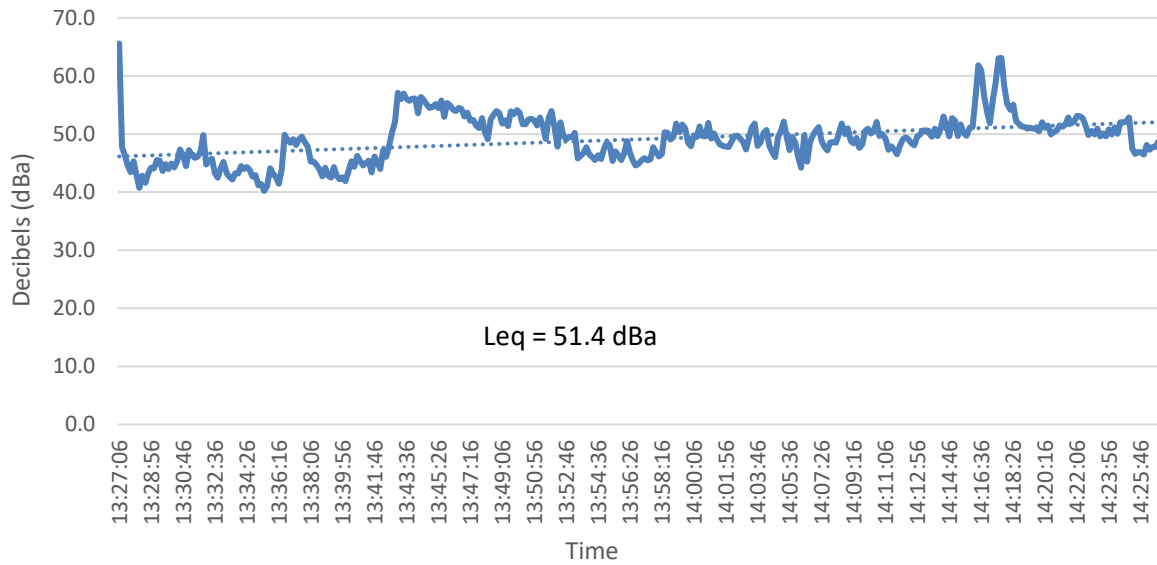
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LBVI Leq SM 5 May 27, 2020



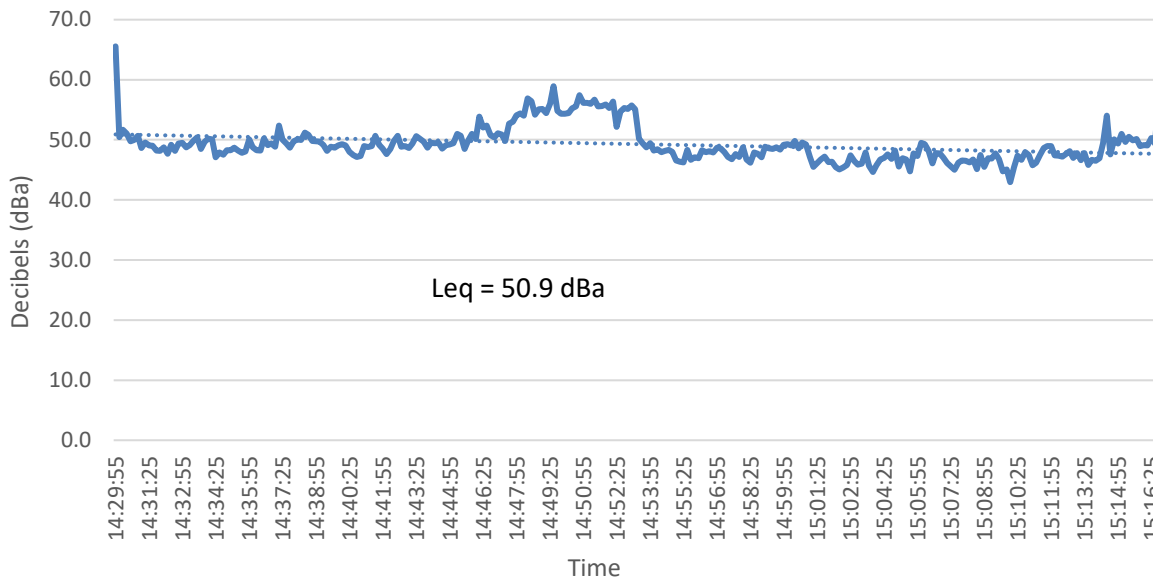
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LBVI Leq SM 6 May 27, 2020



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



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



Memorandum

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

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

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

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

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

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

Project Activities – Week of June 1, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
06/01/20	Jill Coumoutso
06/05/20	Lauren Simpson

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

Attachments:

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




ATTACHMENT A

Location of Least Bell's Vireo Nest and Territory

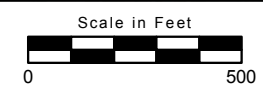
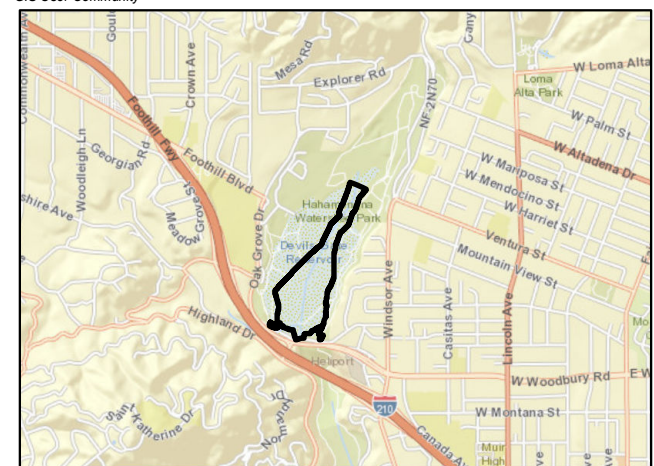
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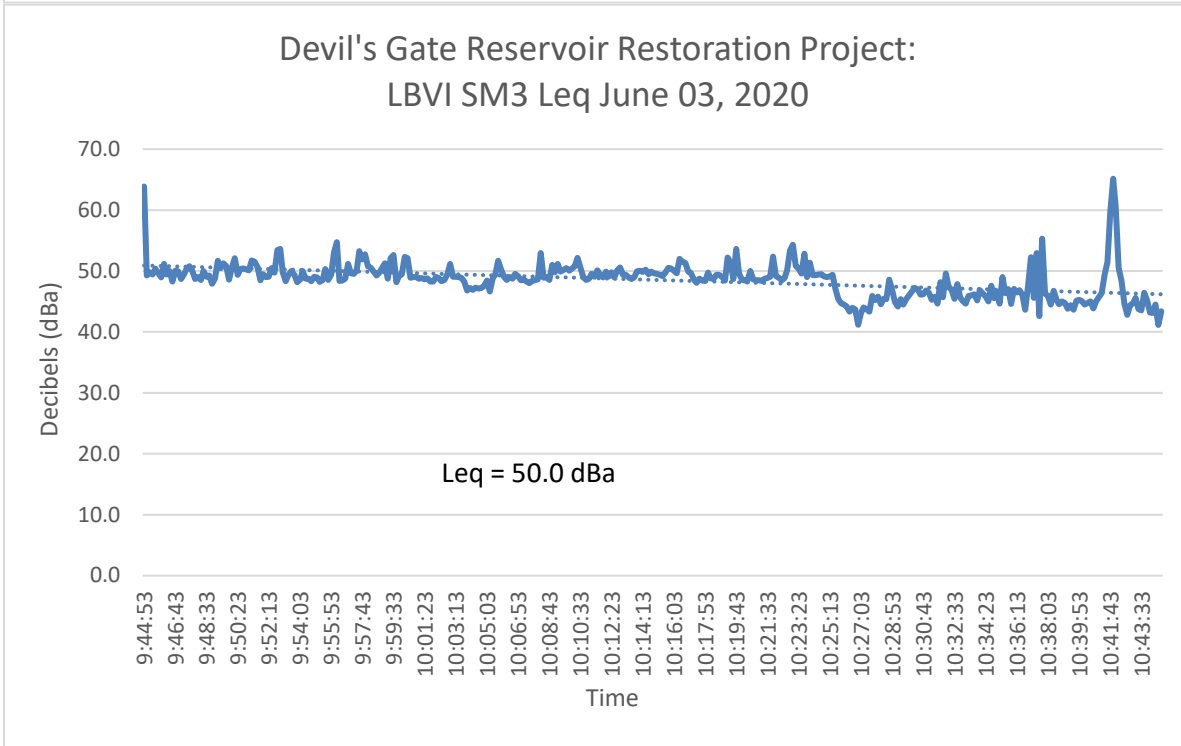
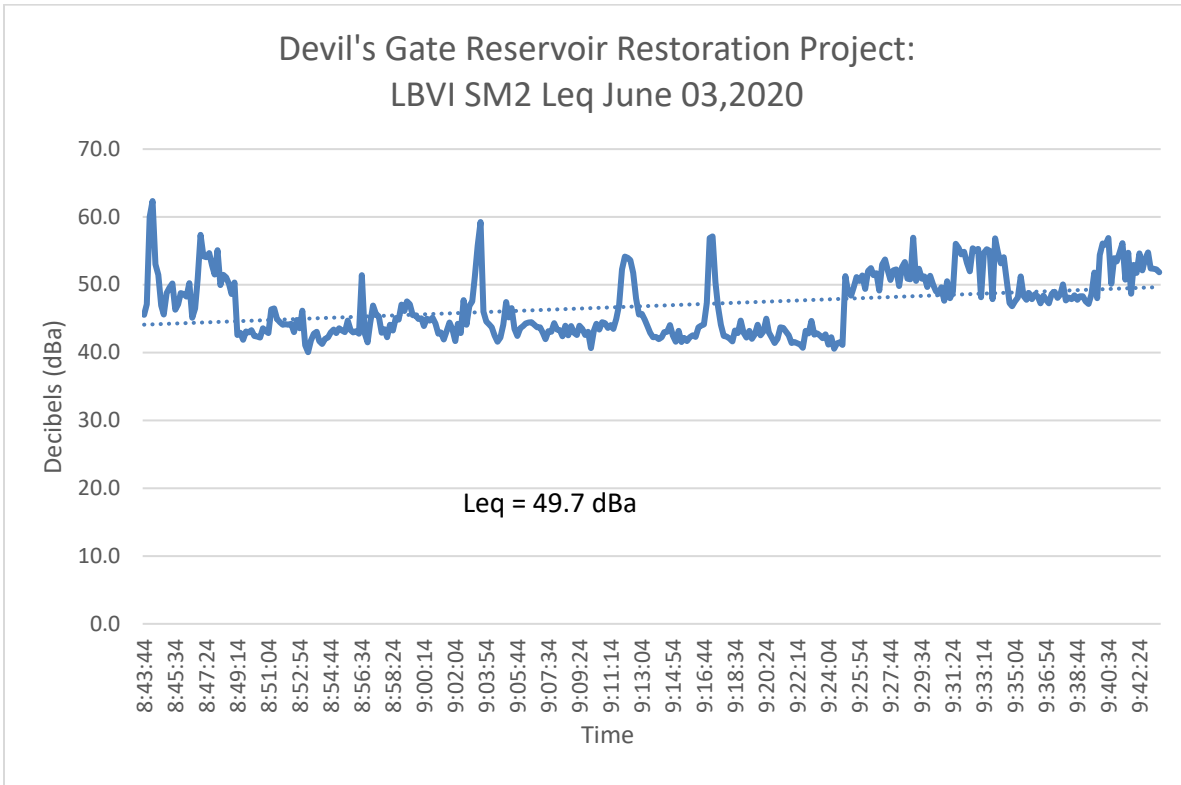


Figure 1.
Least Bell's Vireo Monitoring
June 1 - 5, 2020

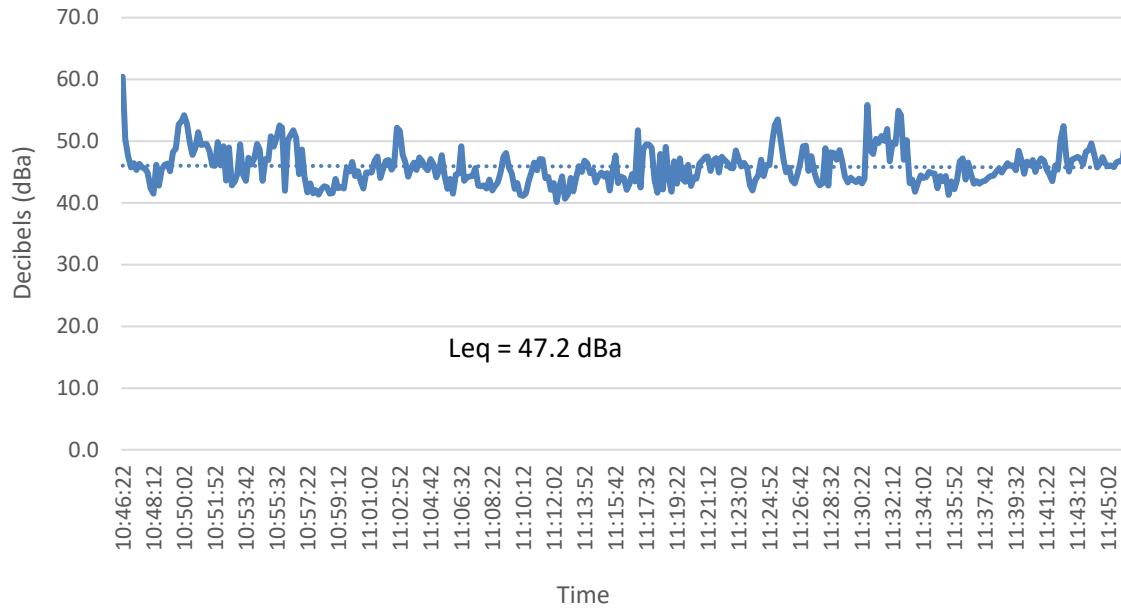
- Map Features**
-  Initial Project Footprint
 -  Initial Project Footprint 500' Buffer
 -  Least Bell's Vireo Nest
 -  Least Bell's Vireo Territory
 -  Least Bell's Vireo Nest 300' Buffer

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

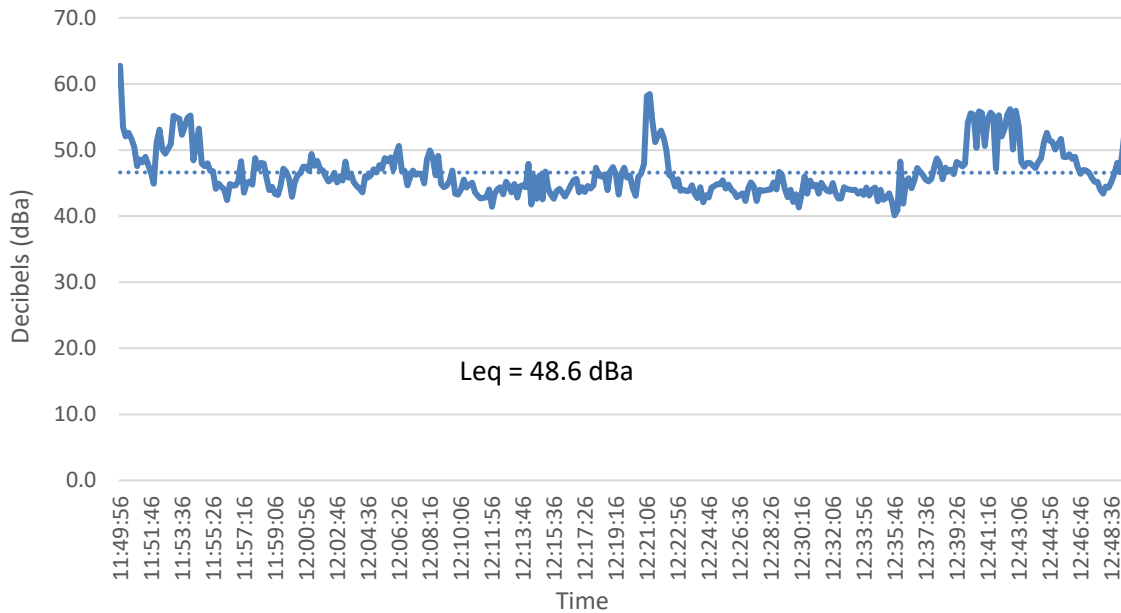




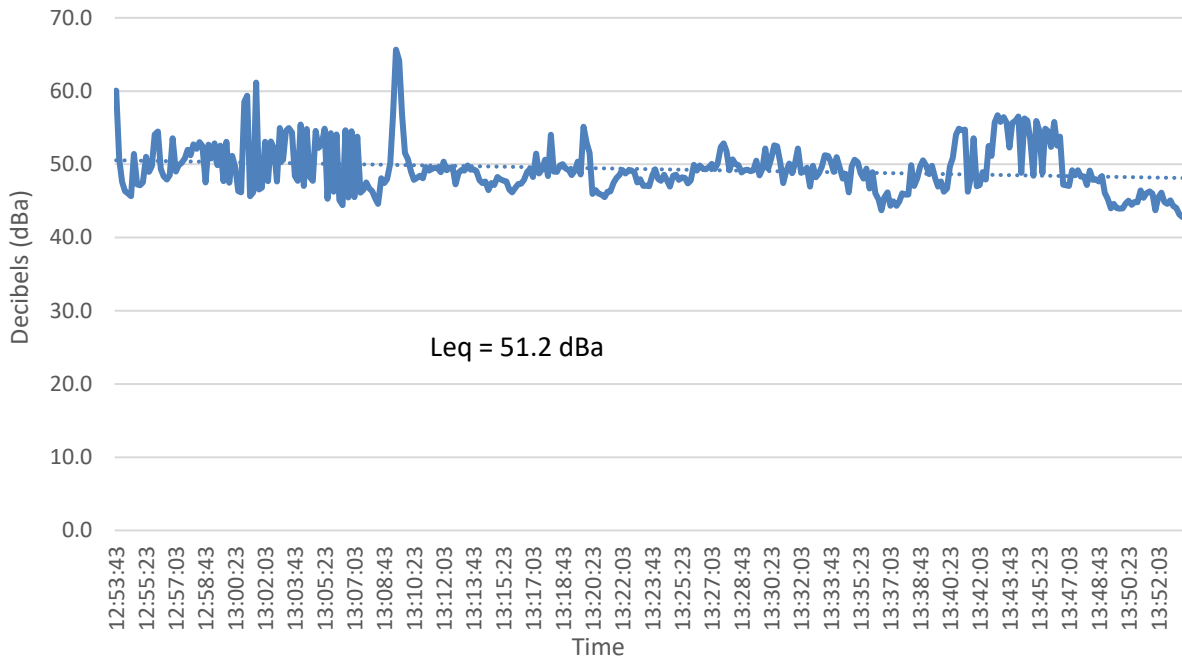
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq June 03, 2020



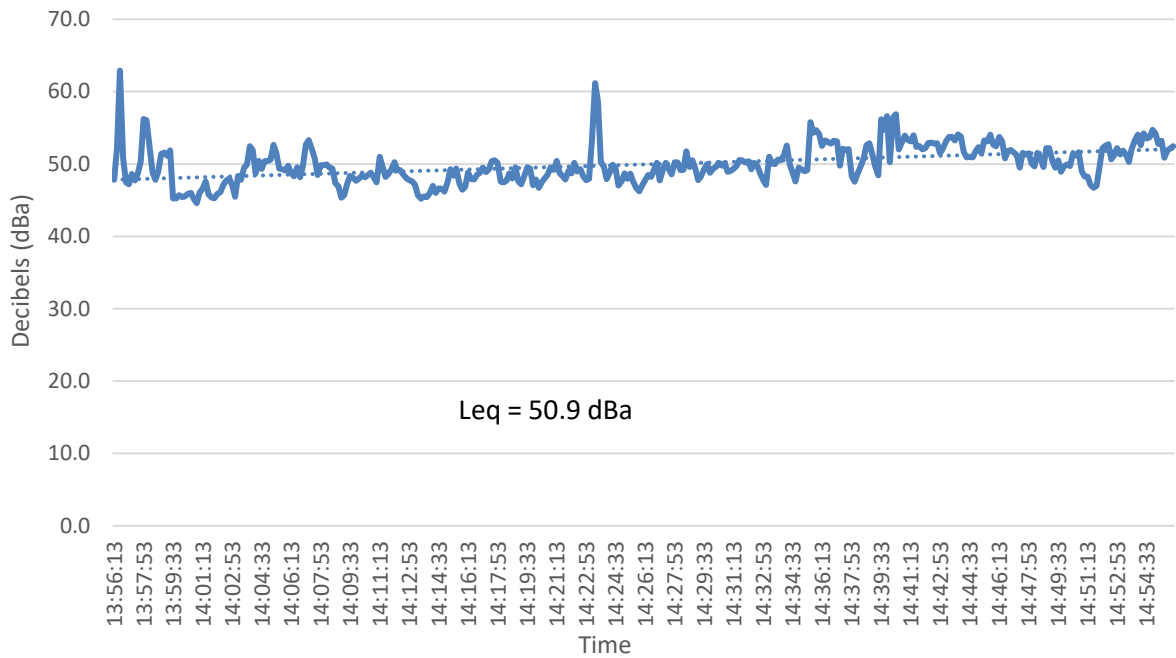
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq June 03, 2020



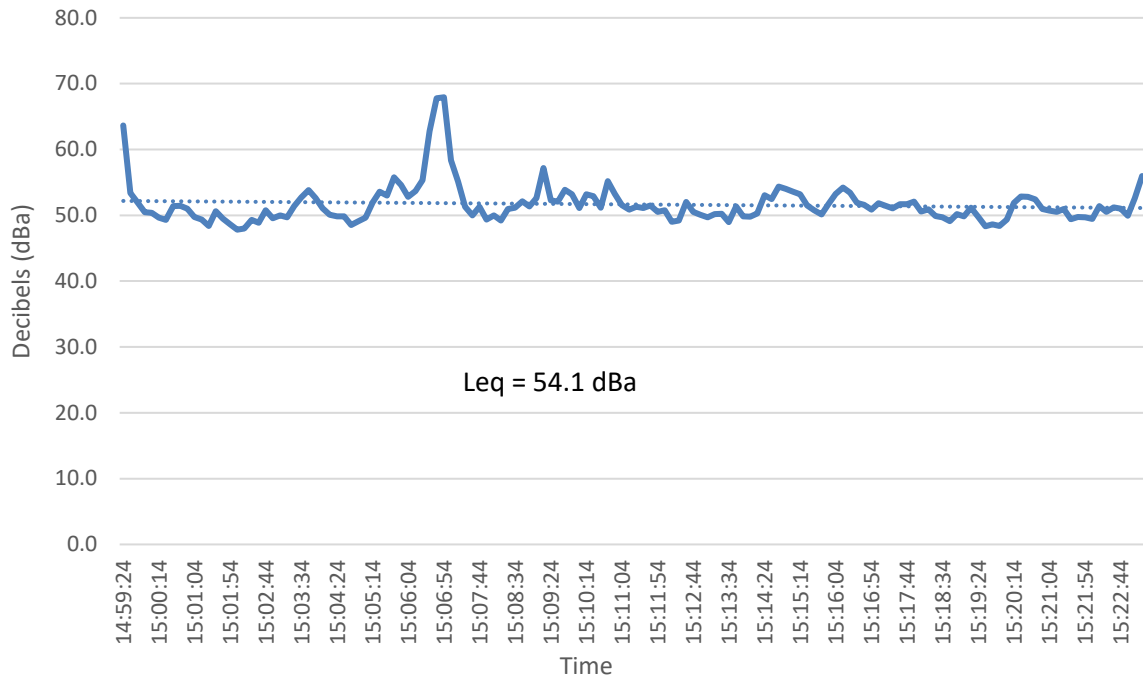
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq June 03, 2020



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



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



Memorandum

To: Christine Medak, USFWS
Project: Devil's Gate Reservoir Restoration Project
From: Lauren Simpson
Date: June 18, 2020

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

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

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

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

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

Project Activities – Week of June 8, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
06/08/20	Jill Coumoutso
06/12/20	Shannan Shaffer

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

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

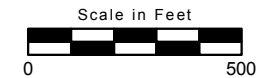
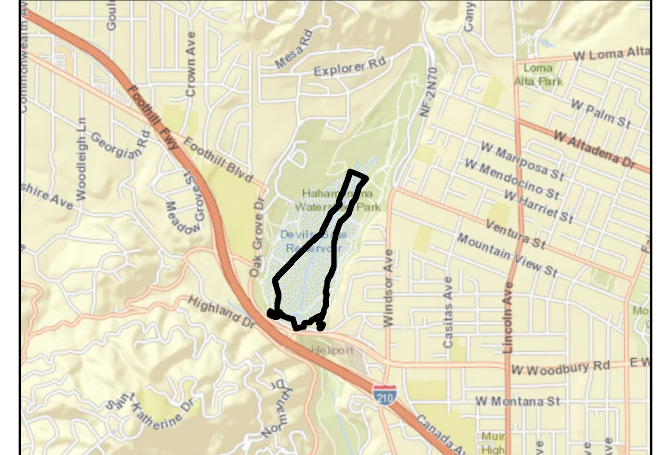


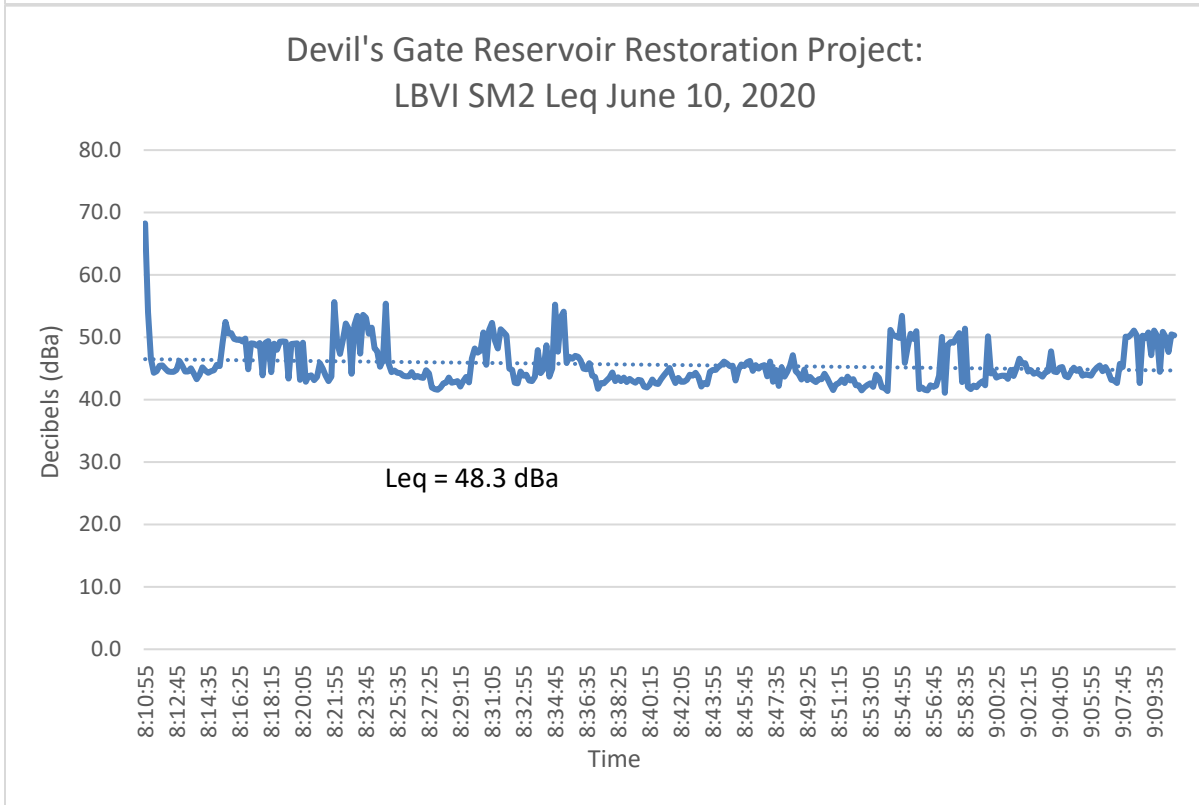
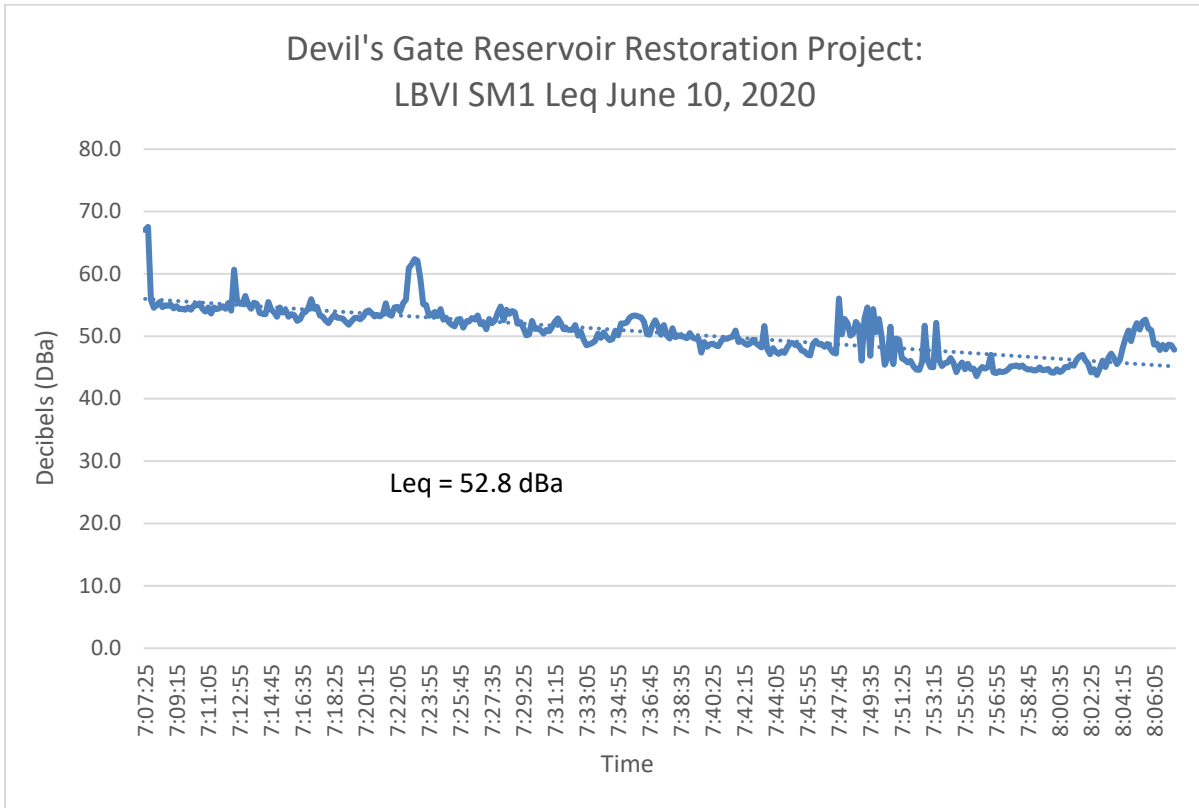
Figure 1.
Least Bell's Vireo Monitoring
June 8 - 12, 2020

Map Features

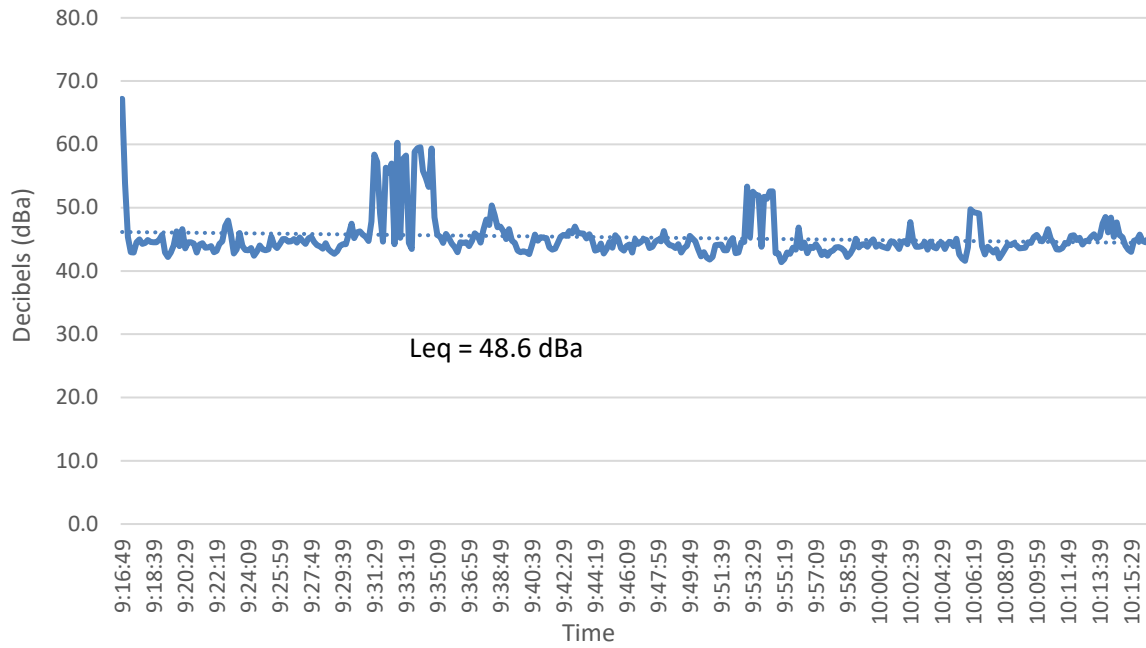
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

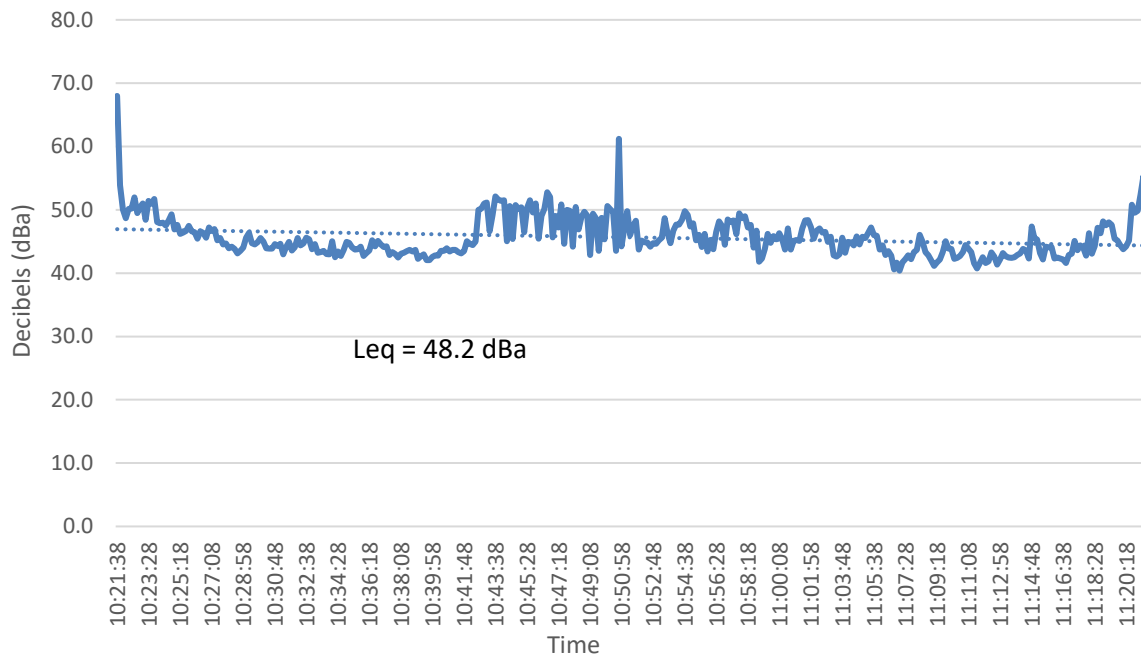




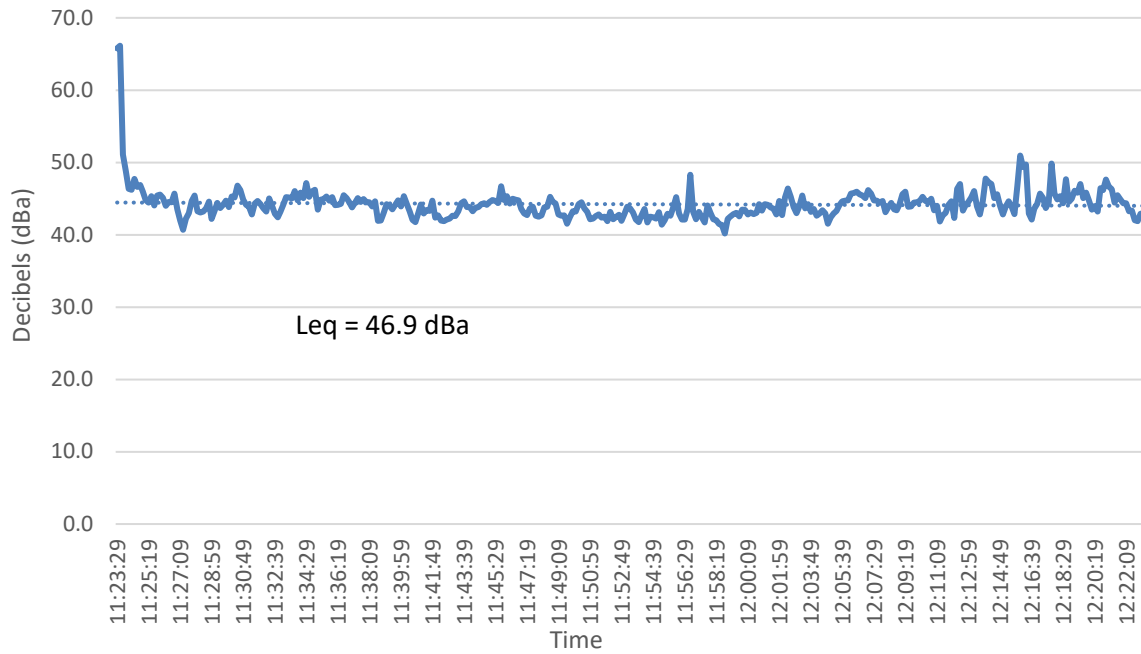
Devil's Gate Reservoir Restoration Project:
LBVI SM3 Leq June 10, 2020



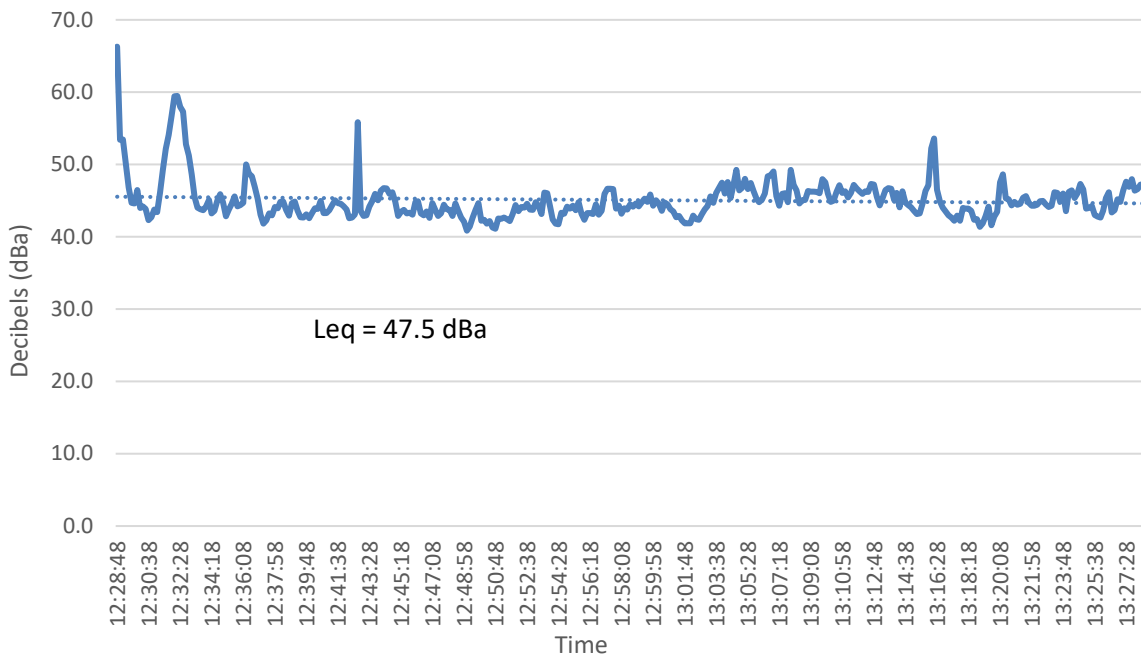
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq June 10, 2020



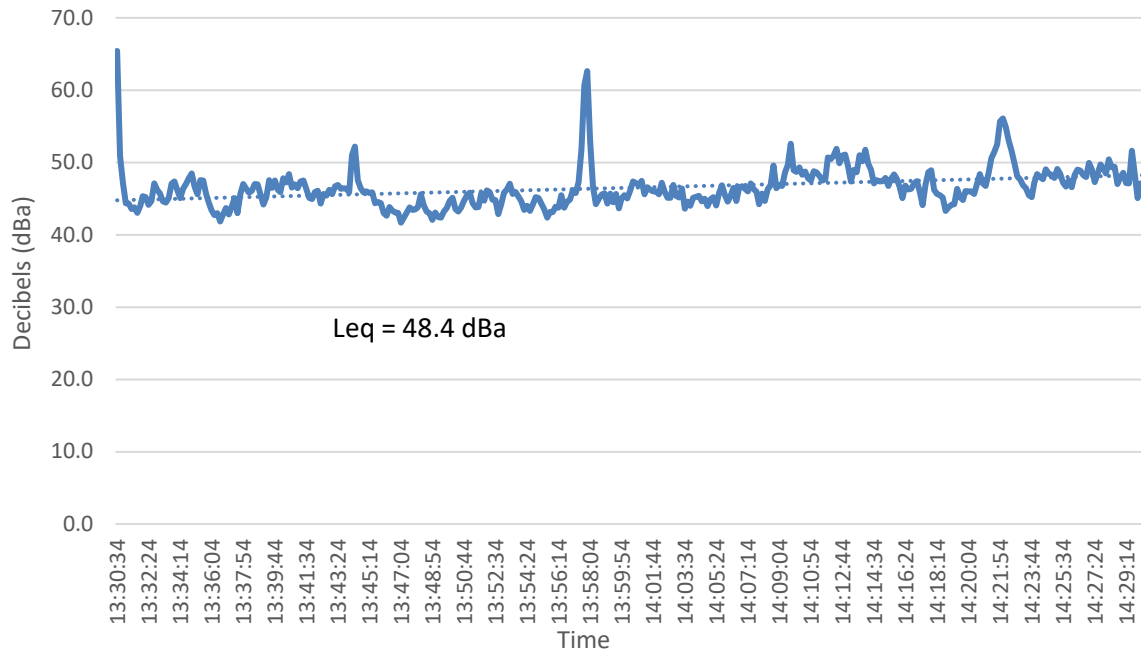
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq June 10, 2020



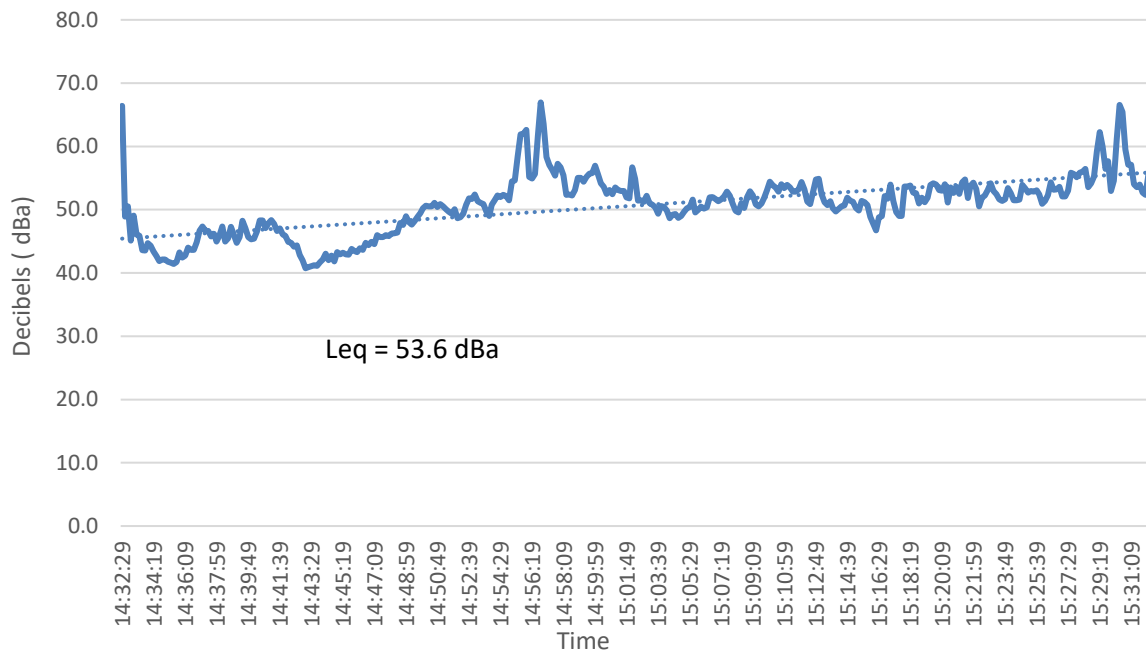
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq June 10, 2020



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



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



Memorandum

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

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

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

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

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

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

Project Activities – Week of June 15, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
06/15/20	Shannan Shaffer
06/18/20	Shannan Shaffer

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

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

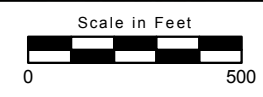
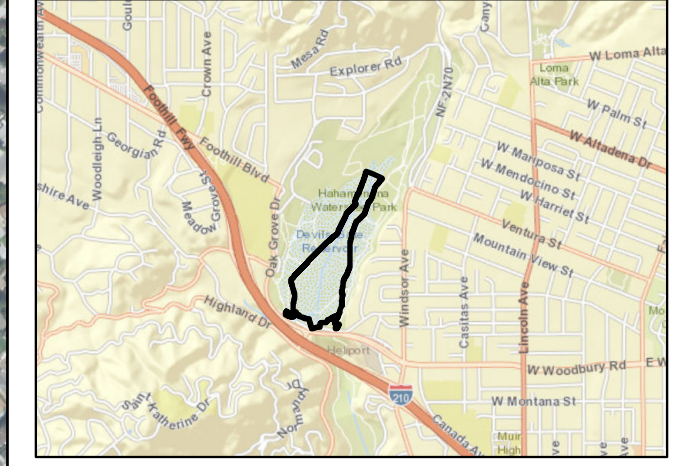


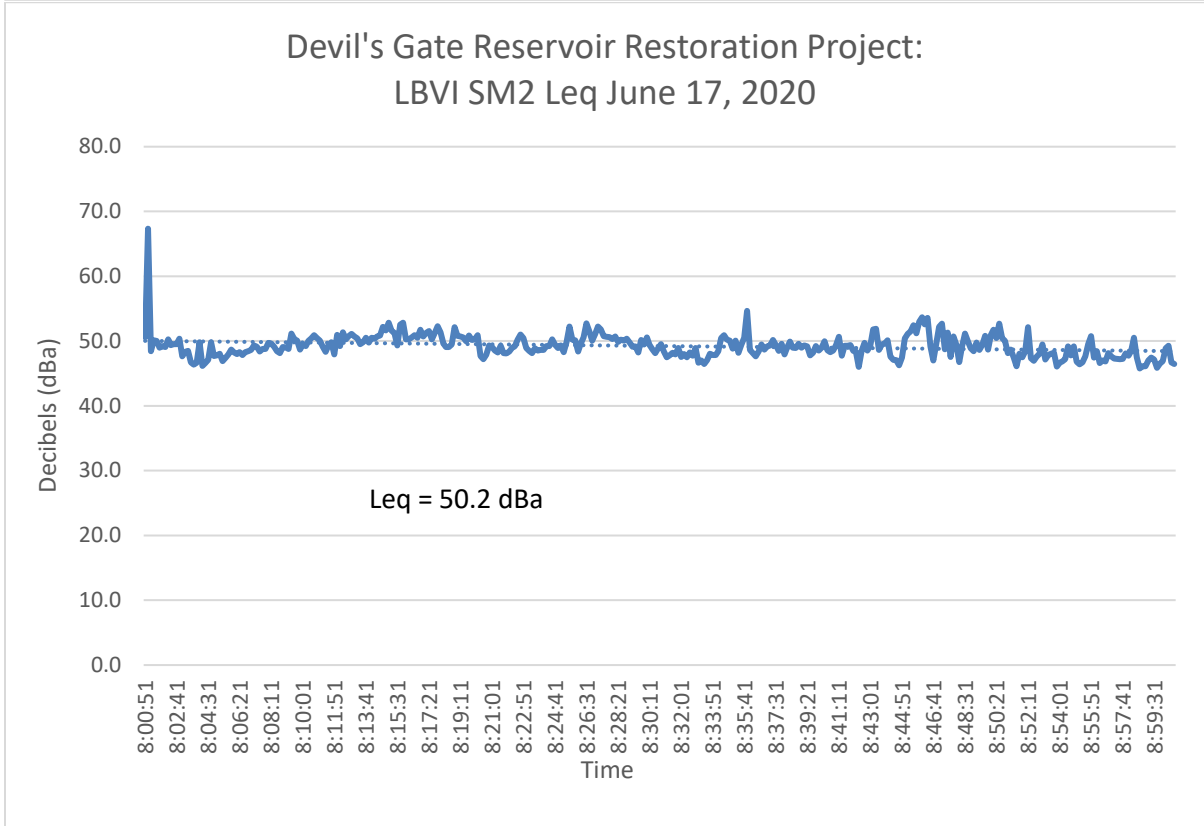
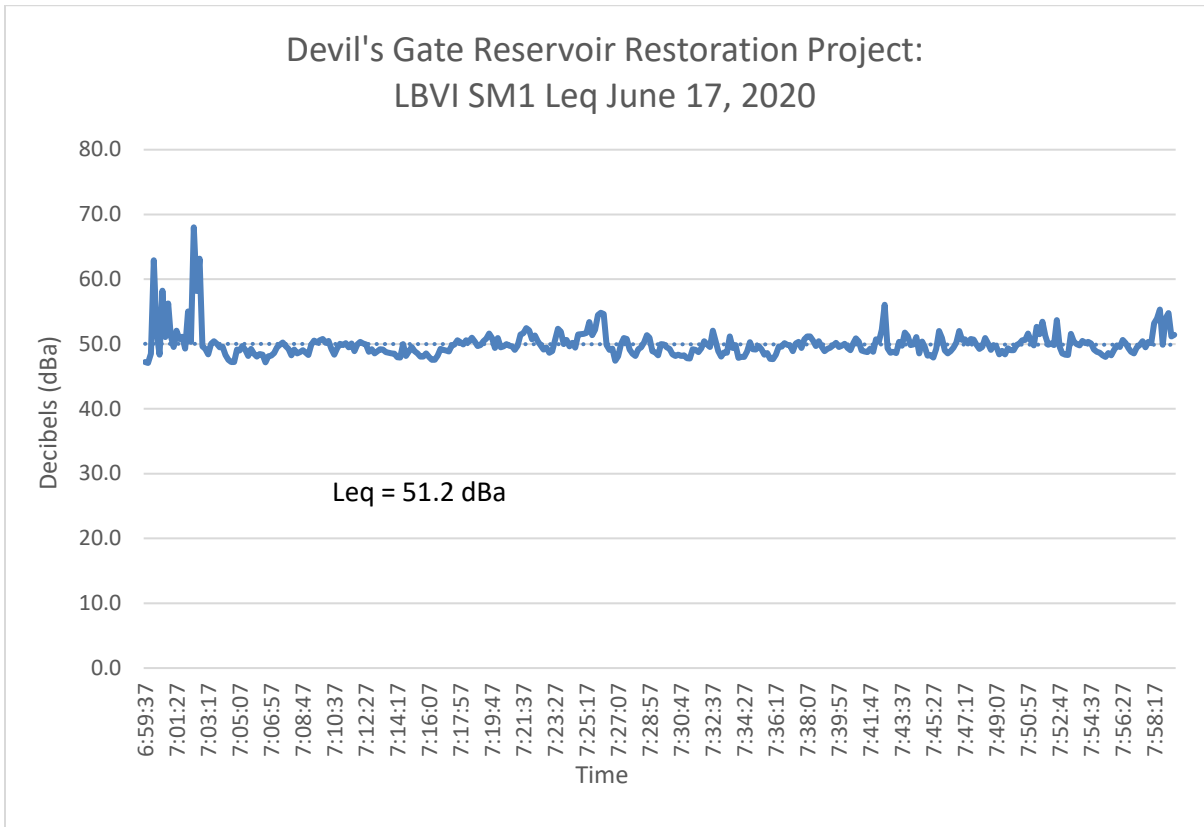
Figure 1.
Least Bell's Vireo Monitoring
June 15 - 19, 2020

Map Features

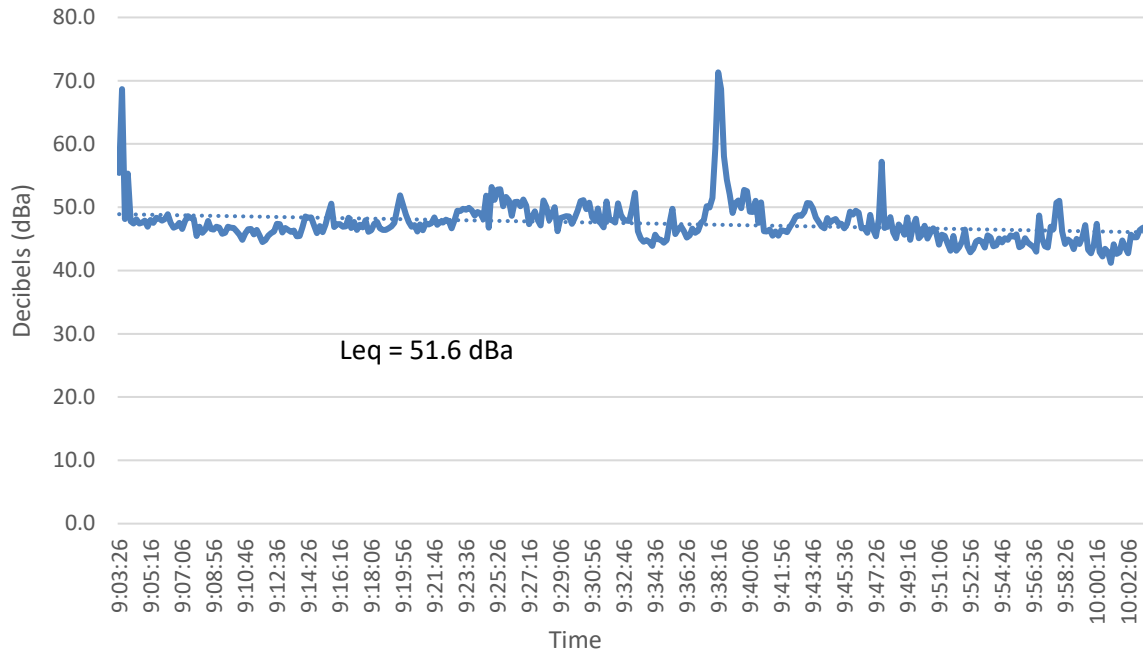
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

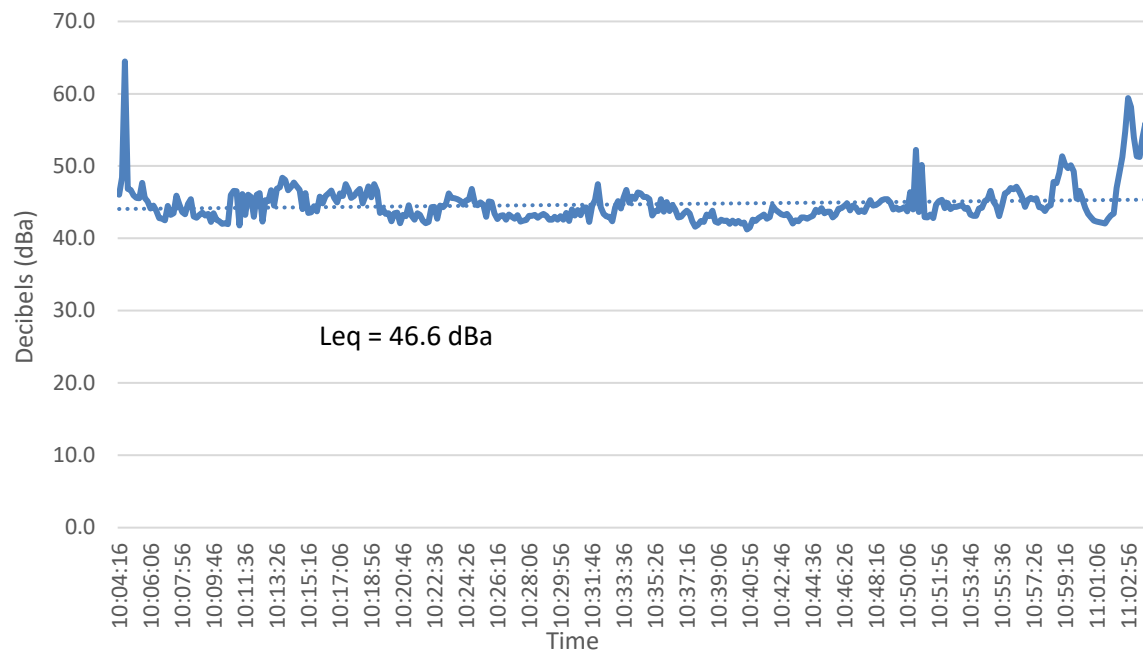




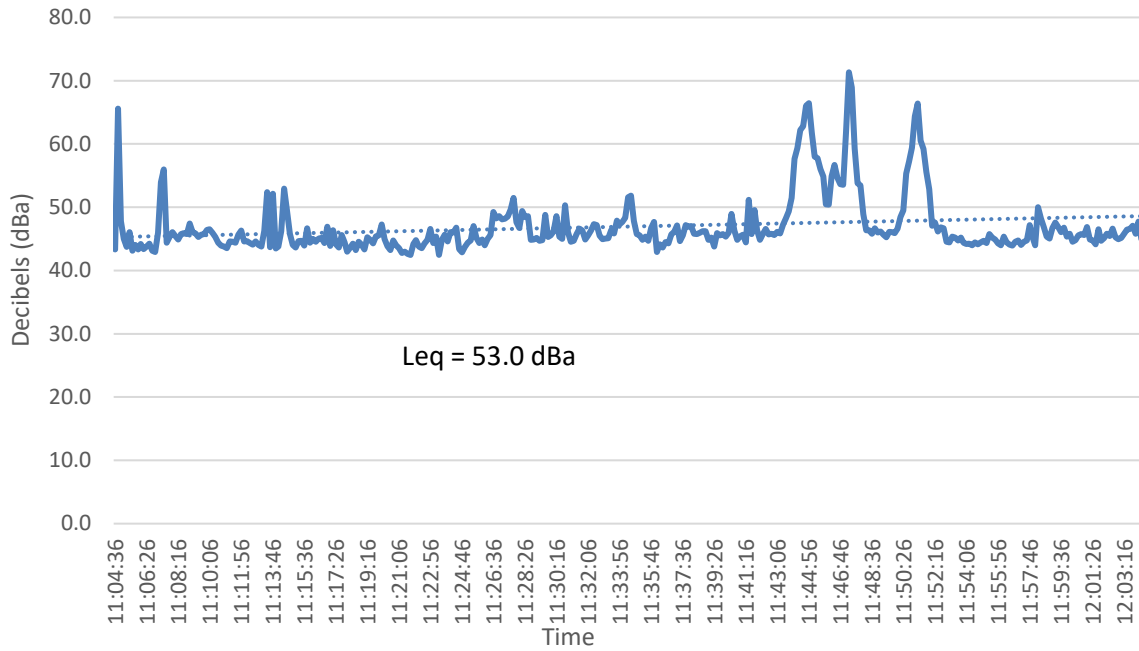
Devil's Gate Reservoir Restoration Project:
LBVI SM3 Leq June 17, 2020



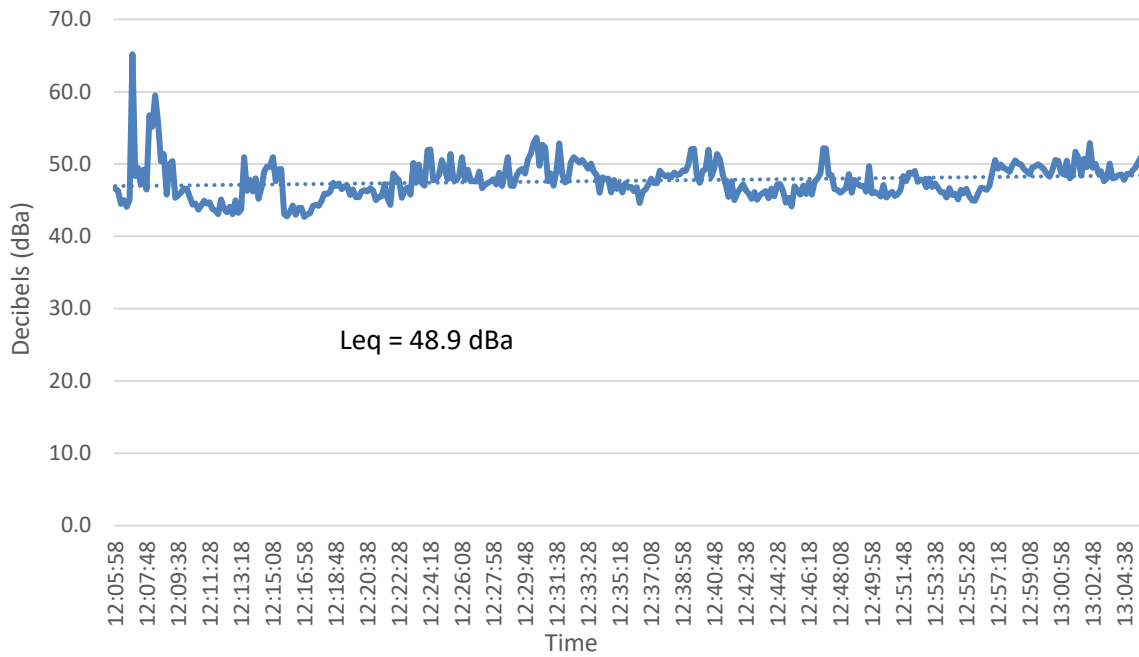
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq June 17, 2020



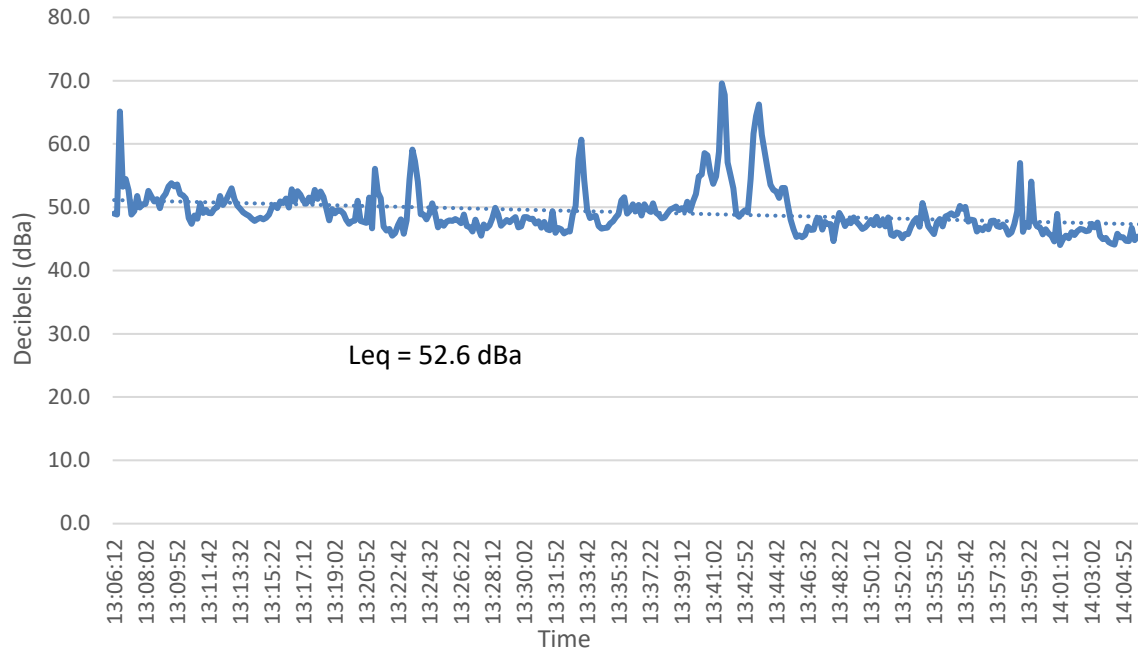
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq June 17, 2020



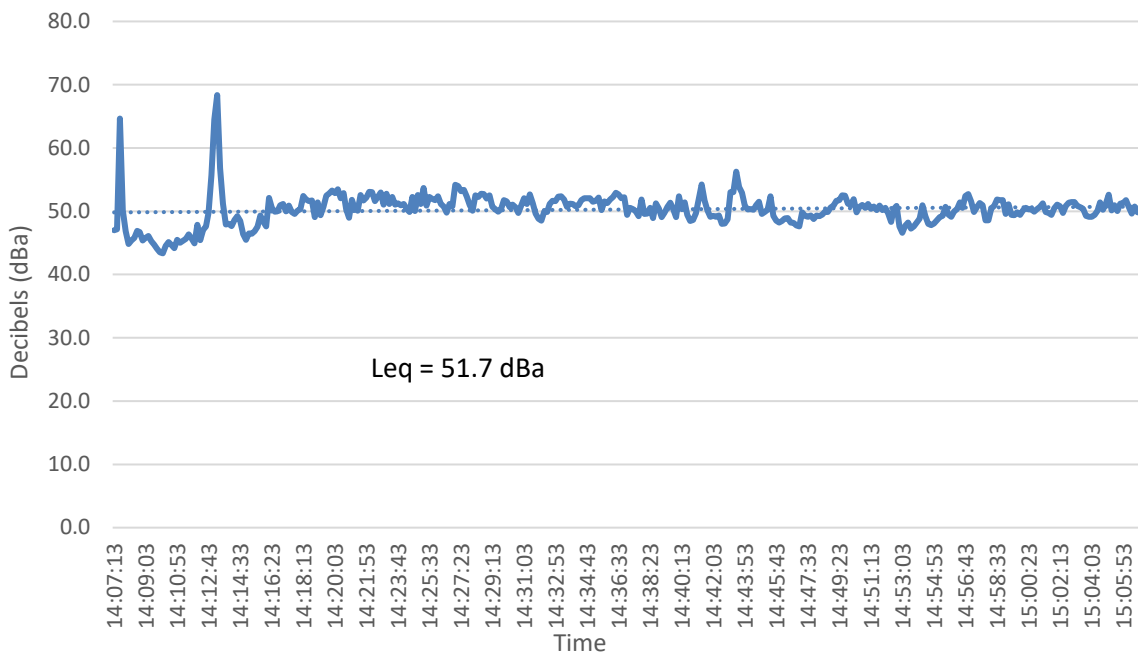
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq June 17, 2020



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



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



Memorandum

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

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

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

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

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

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

Project Activities – Week of June 22, 2020

Sediment Removal Activities

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

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

Restoration Activities

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

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

Focused Least Bell's Vireo Surveys

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

Date	Surveyor
06/22/20	Jill Coumoutso
06/26/20	Shannan Shaffer

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

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

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

Least Bell's Vireo Noise Monitoring

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

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



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

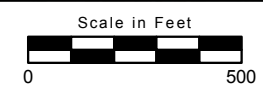
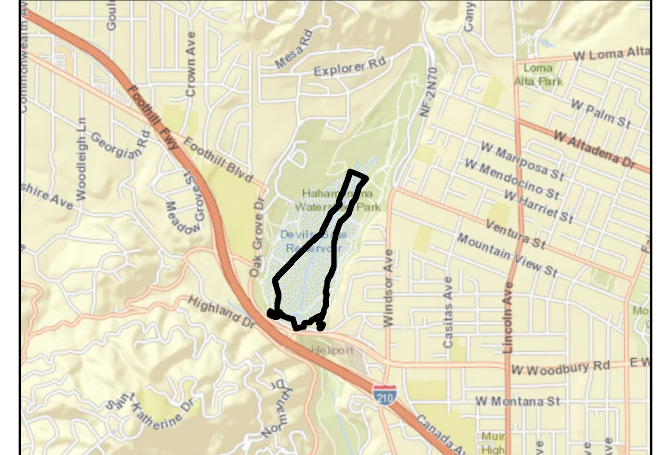


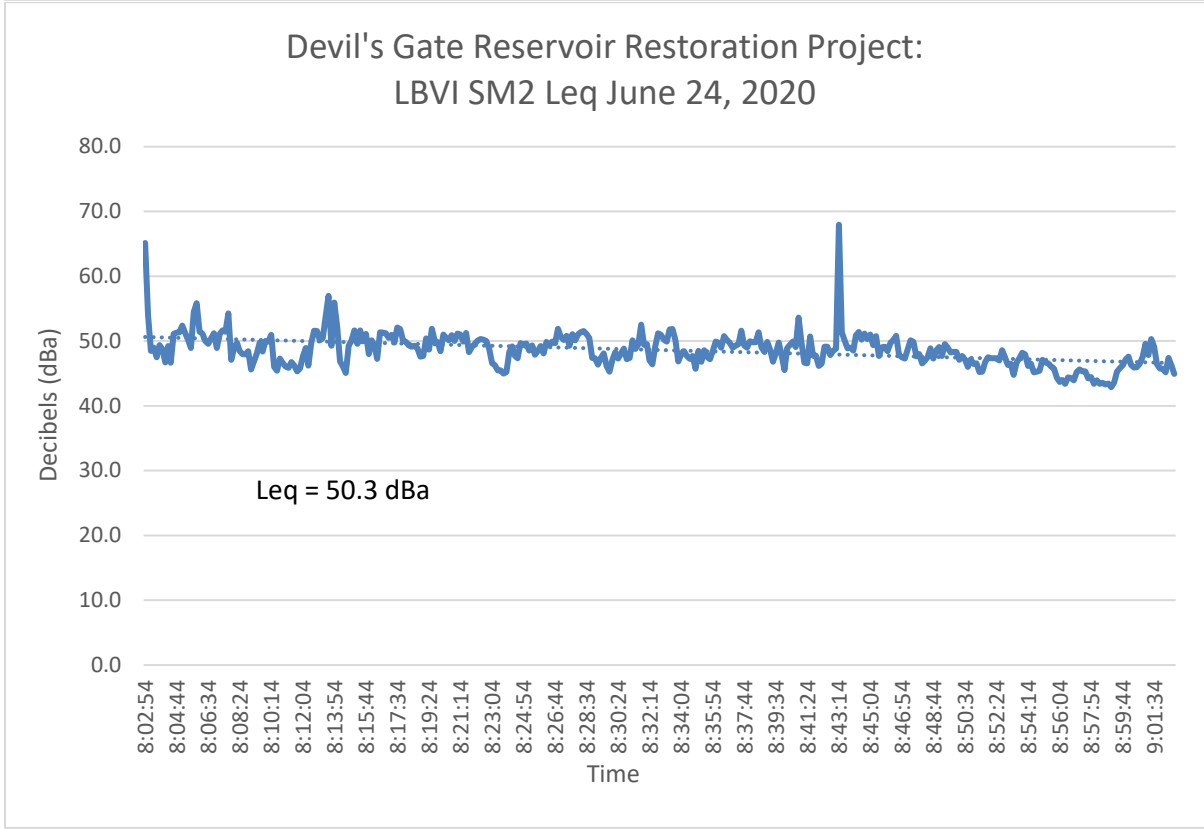
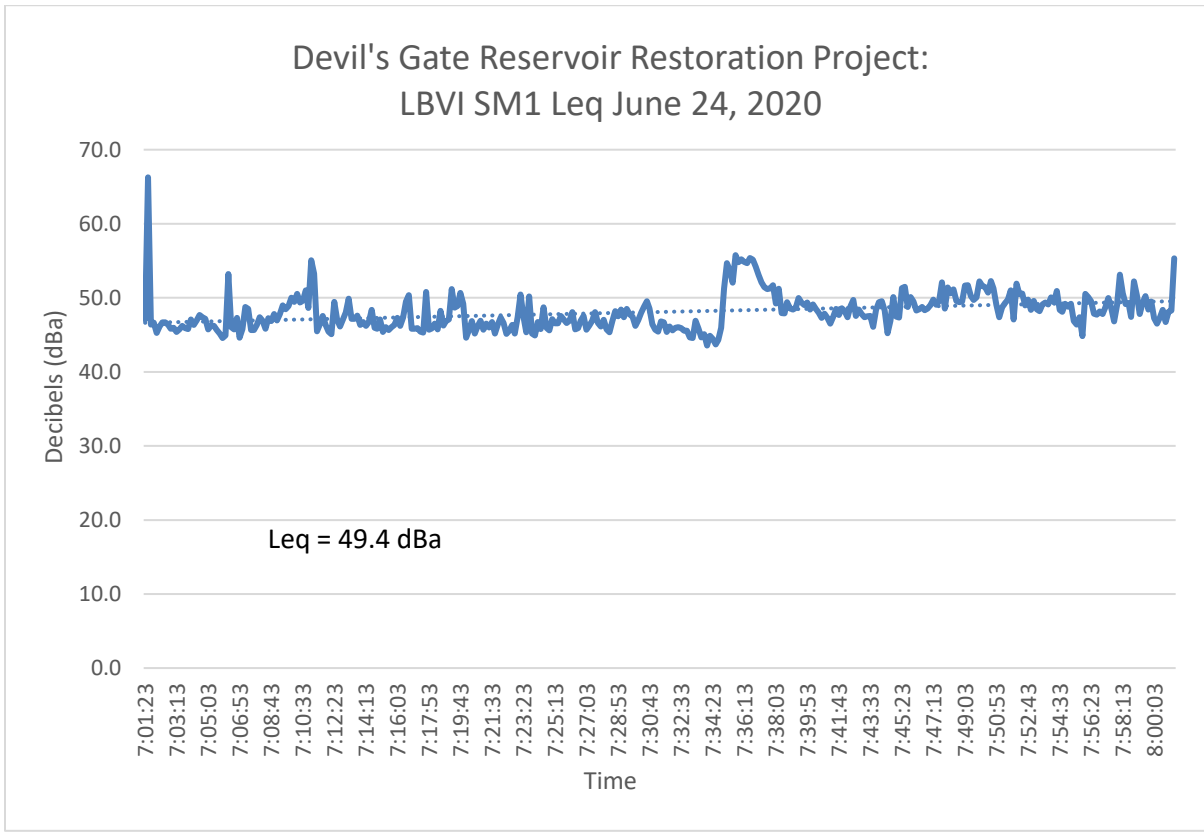
Figure 1.
Least Bell's Vireo Monitoring
June 22 - 26, 2020

Map Features

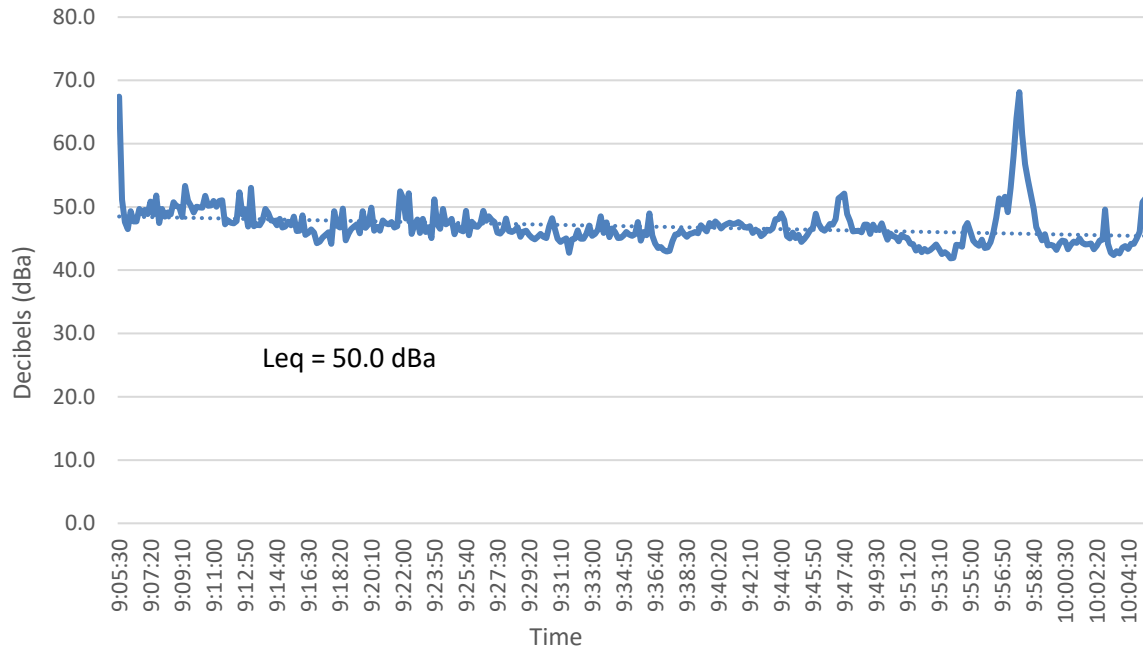
-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

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

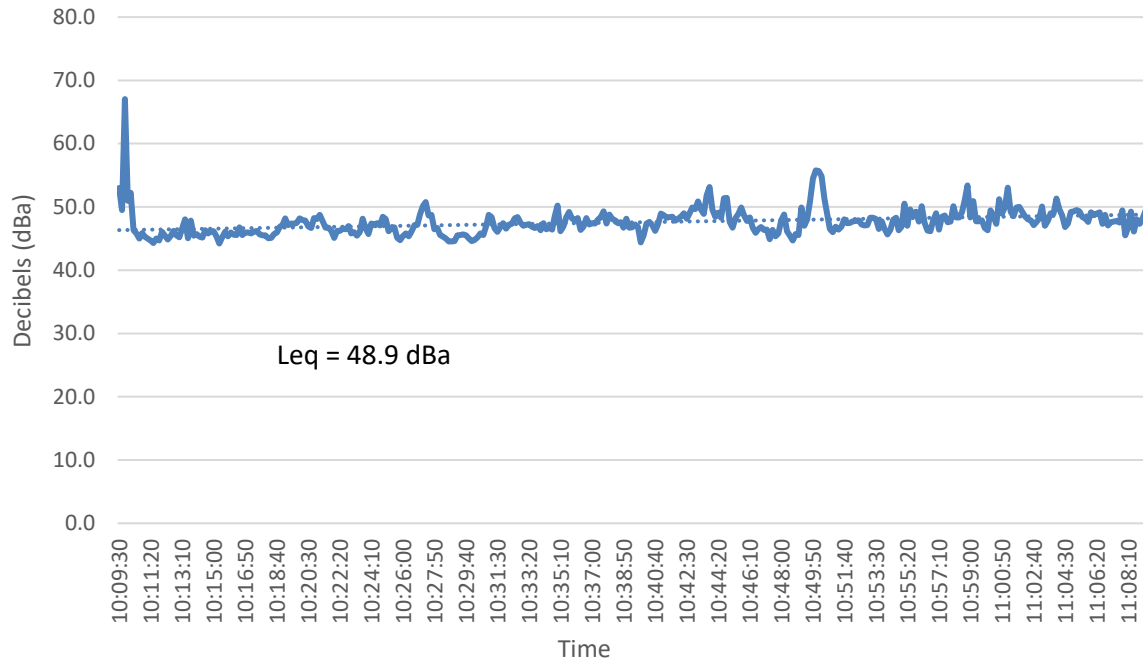




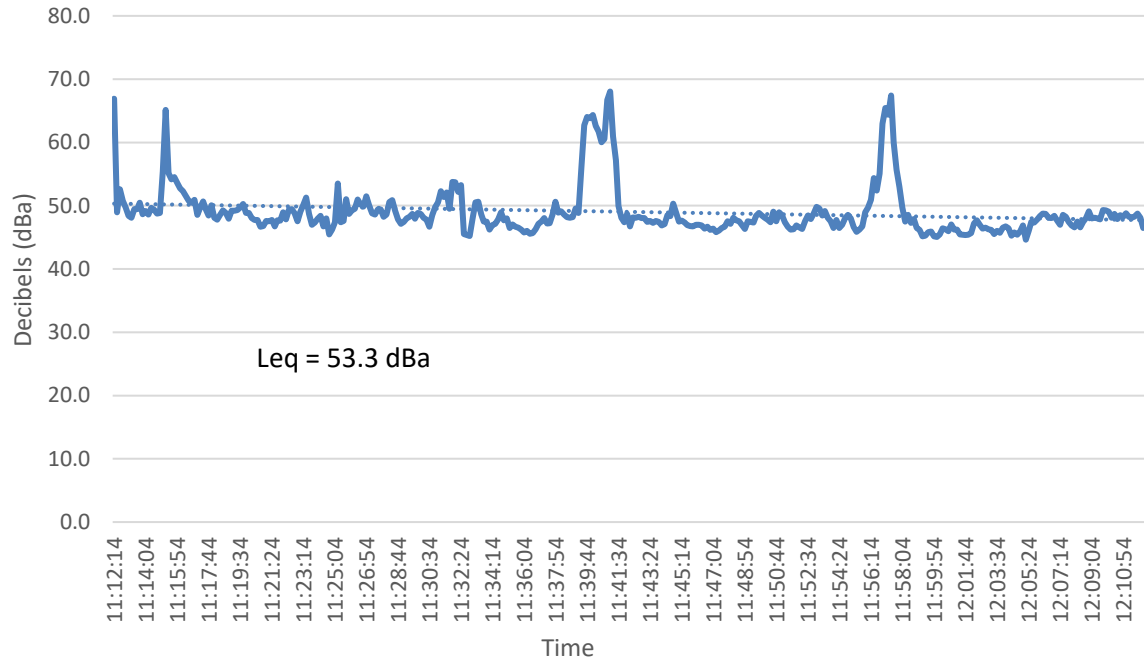
Devil's Gate Reservoir Restoration Project:
LBVI SM3 Leq June 24, 2020



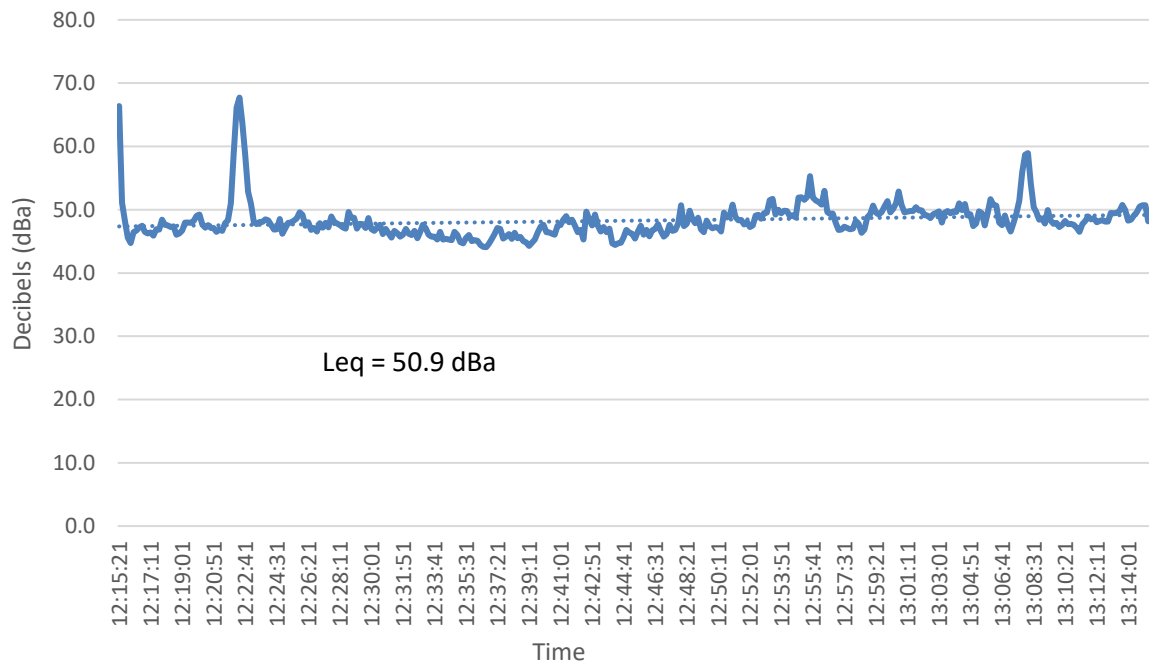
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq June 24, 2020



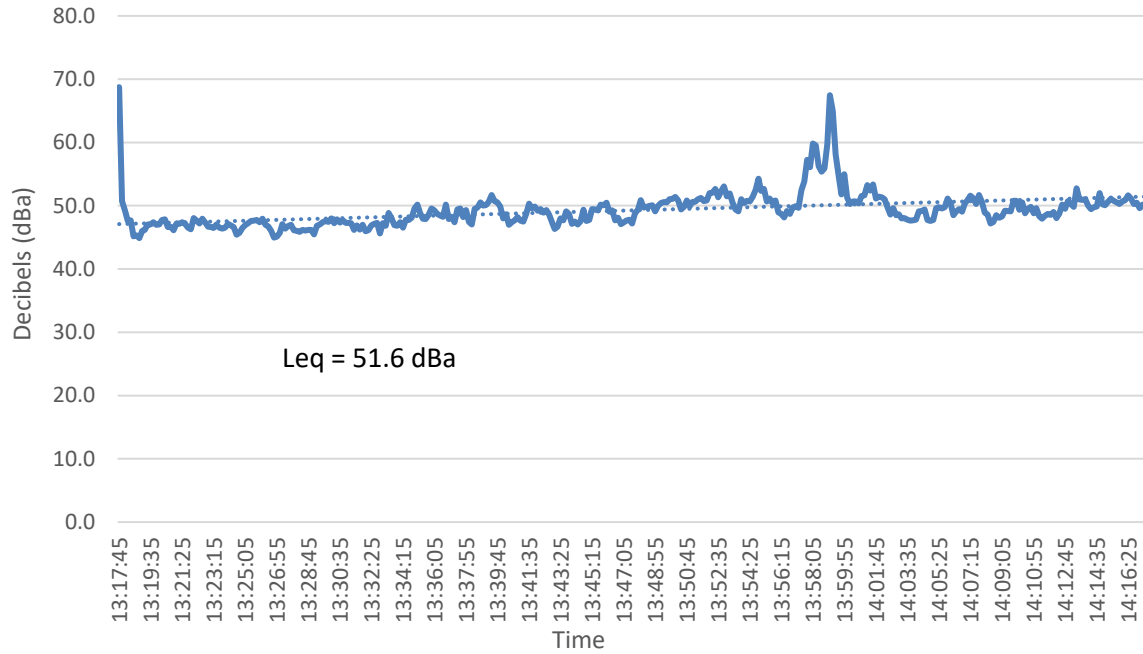
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq June 24, 2020



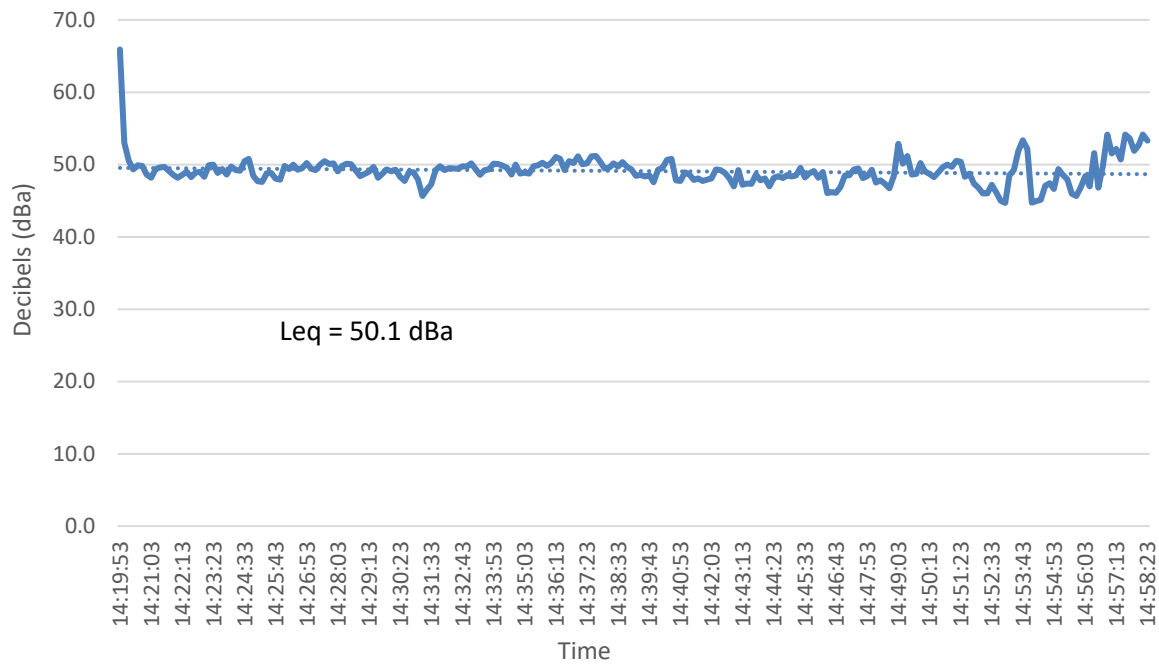
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq June 24, 2020



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



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



Memorandum

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

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

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_Devil's Gate Mitigation Plan\Map\Stos_and_mitigation_monitoring\2020\DC_LBVI_monitoring_20200528.mxd (WAG)-mguidry 6/15/2020

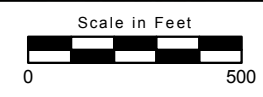
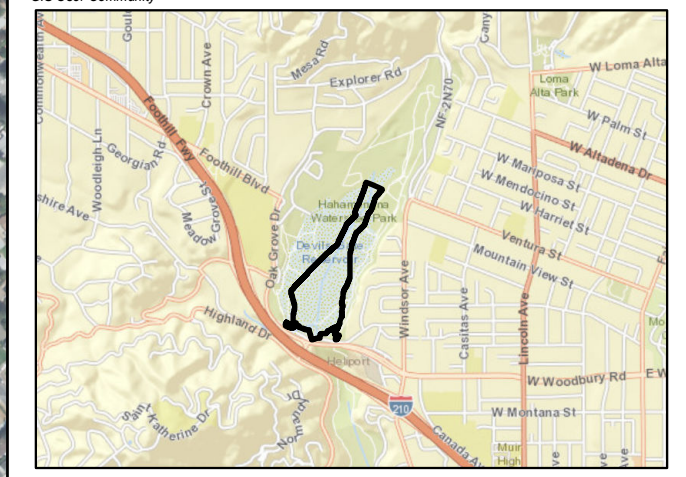
Figure 1. Least Bell's Vireo Monitoring June 29 - July 3, 2020

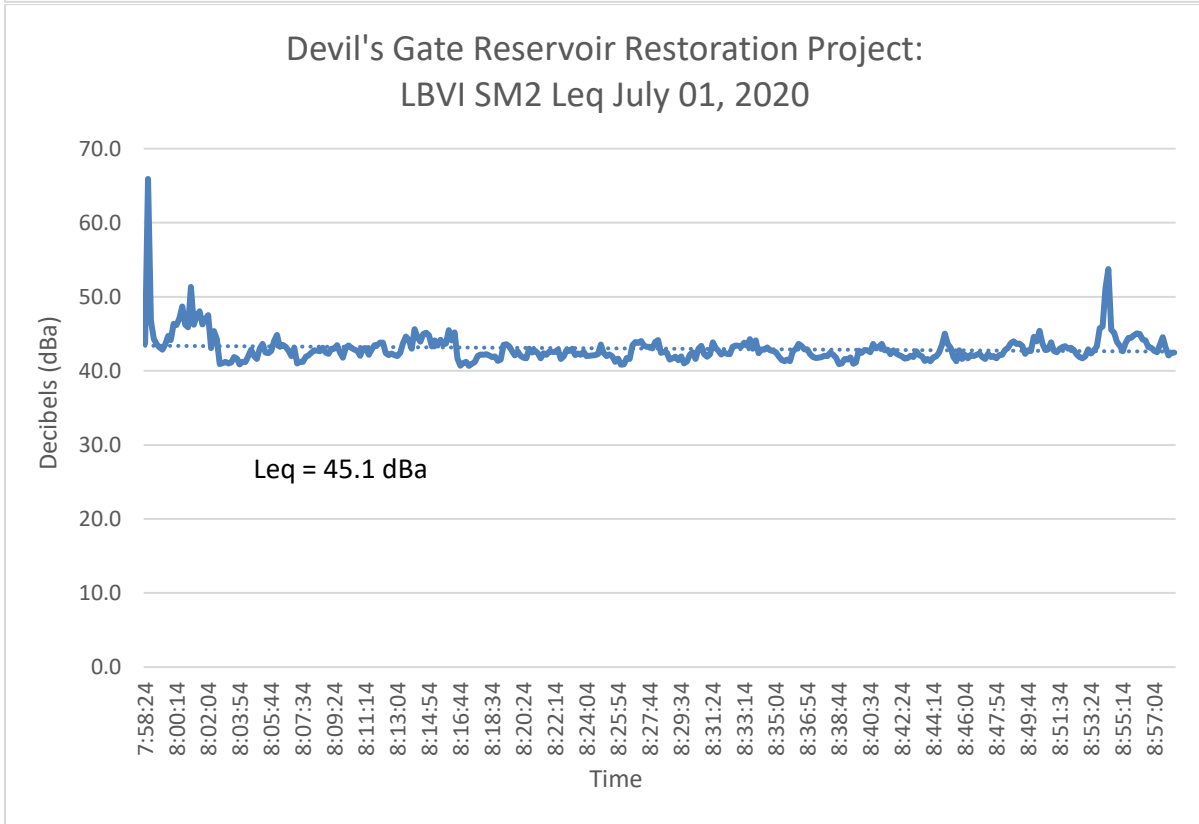
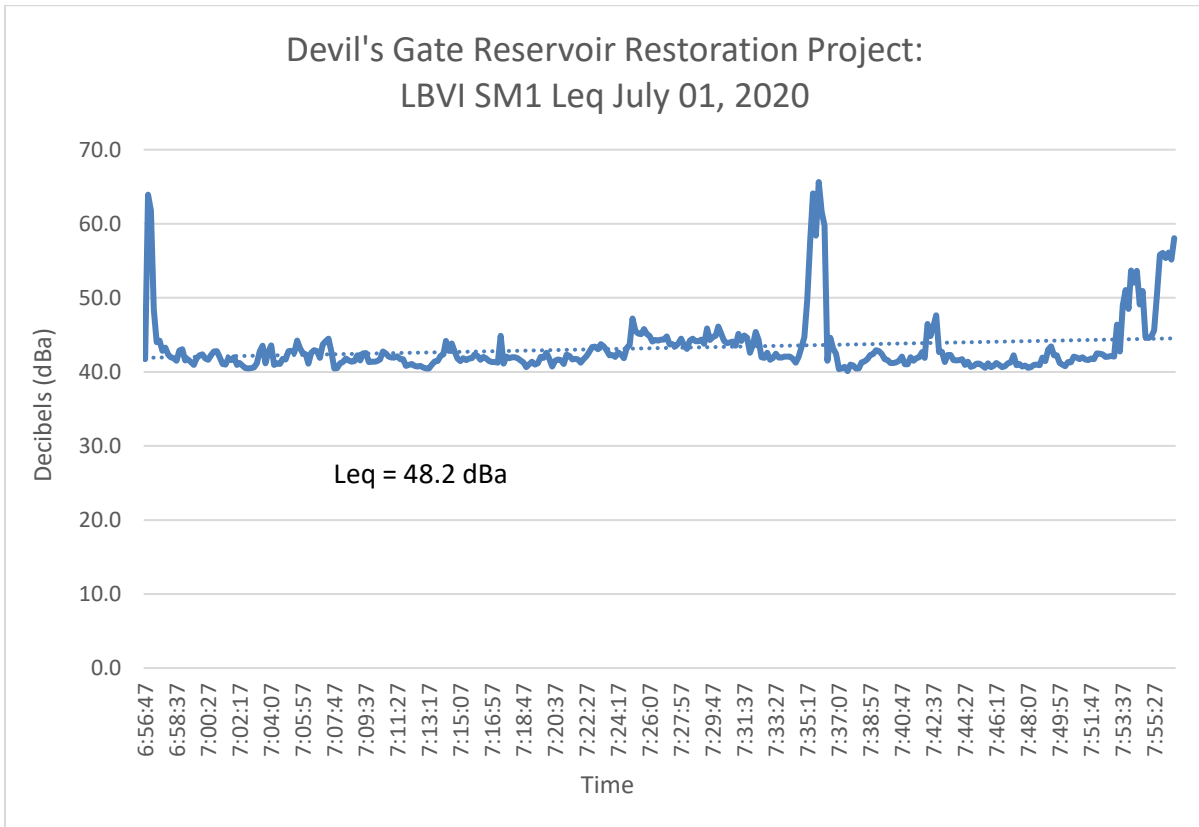
Map Features

-  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

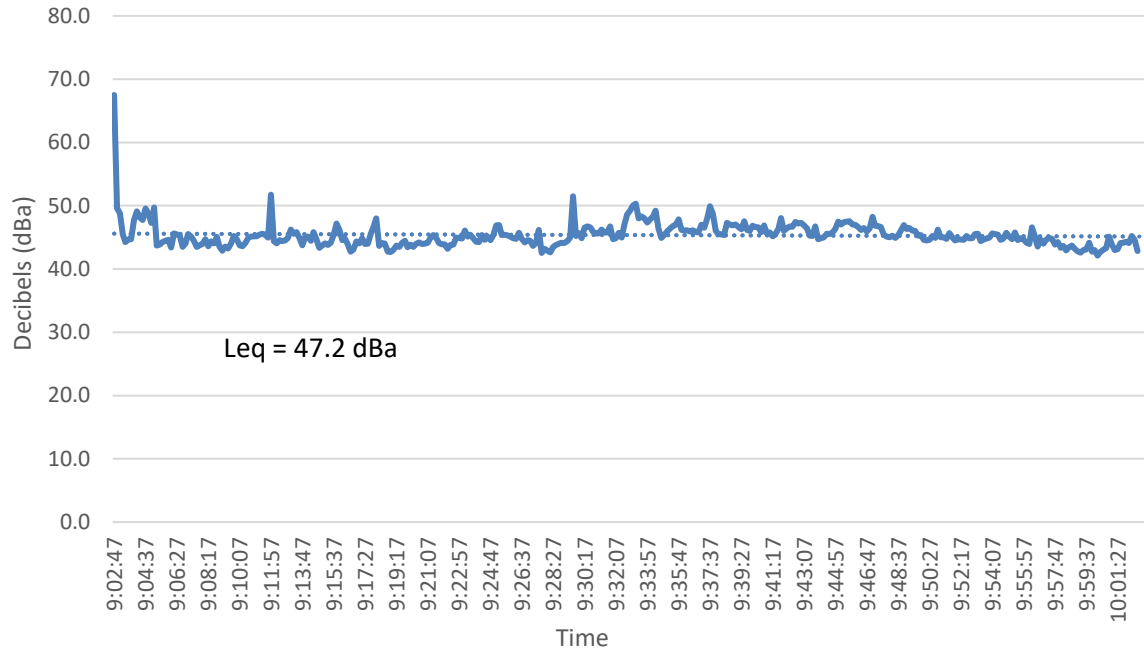


Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

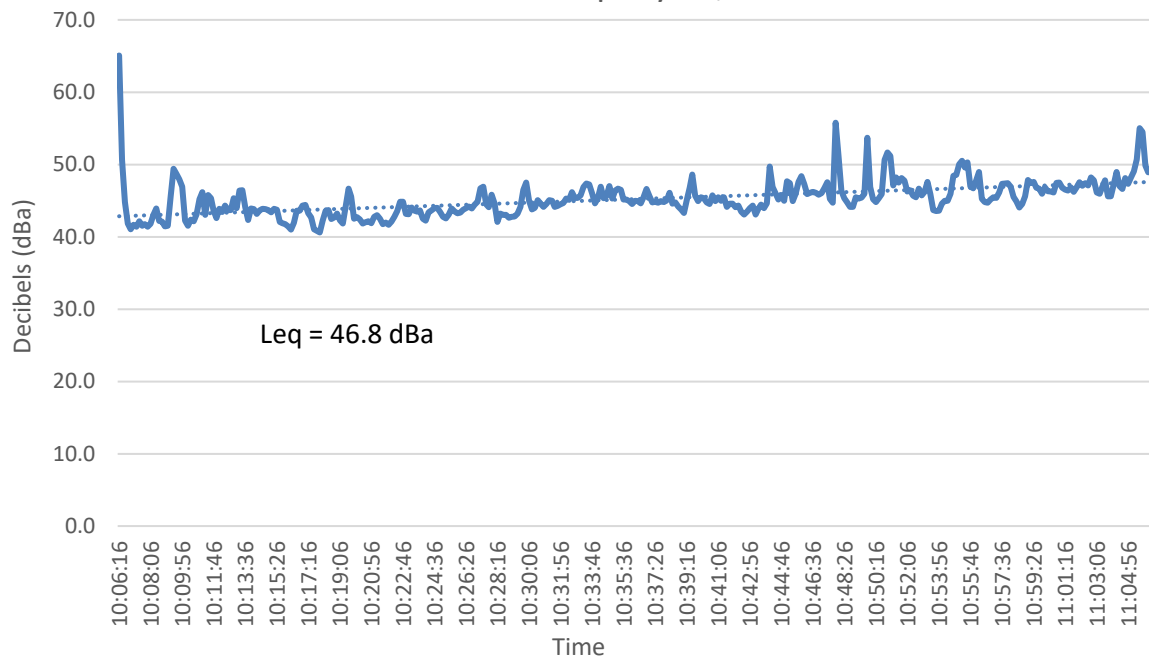




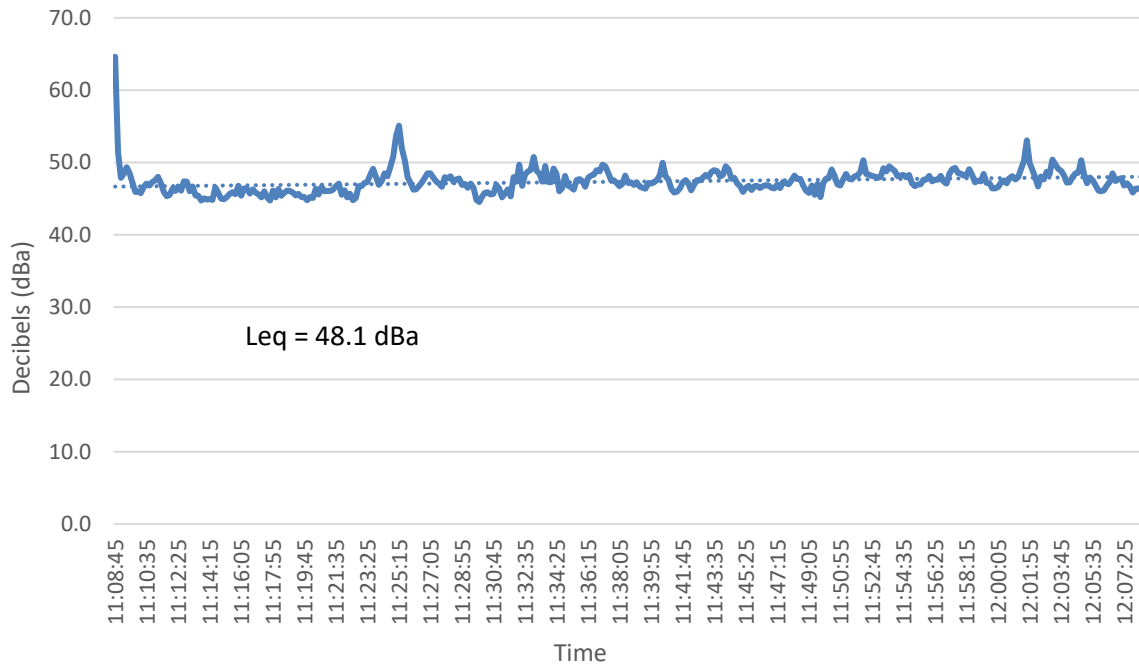
Devil's Gate Reservoir Restoration Project:
LBVI SM3 Leq July 01, 2020



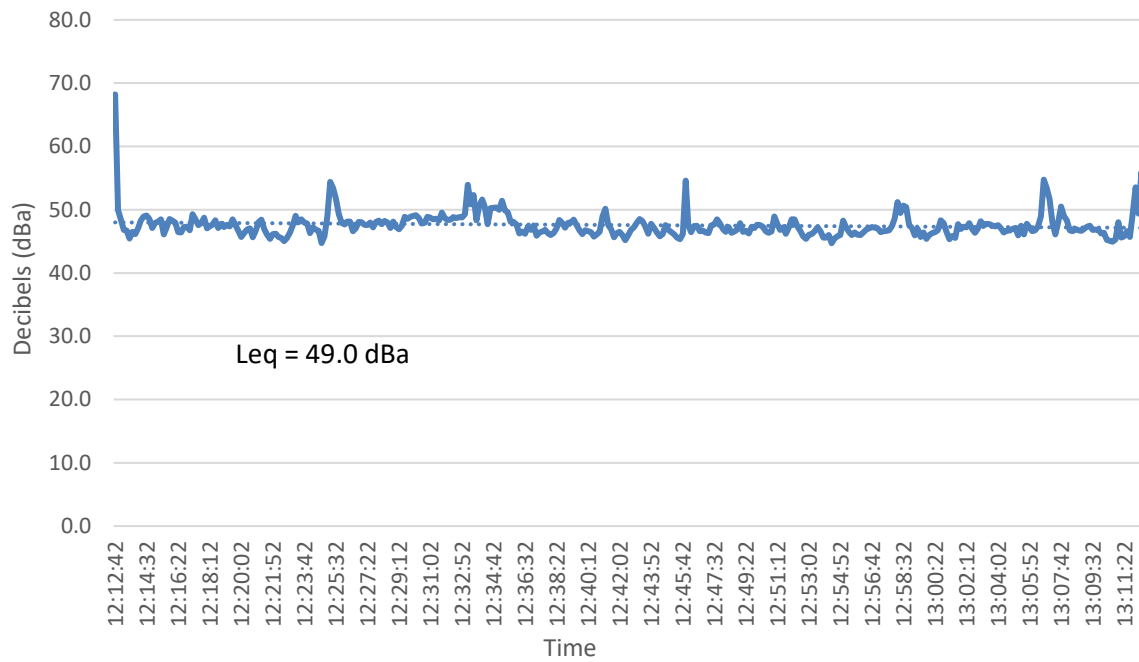
Devil's Gate Reservoir Restoration Project:
LBVI SM4 Leq July 01, 2020



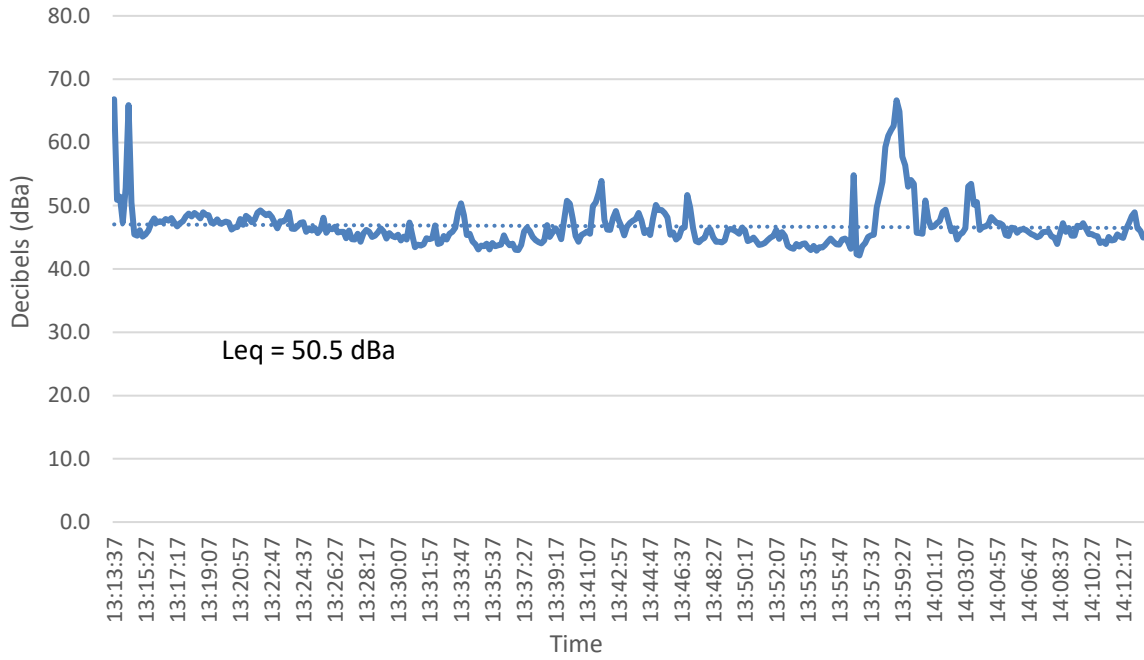
Devil's Gate Reservoir Restoration Project:
LBVI SM5 Leq July 01, 2020



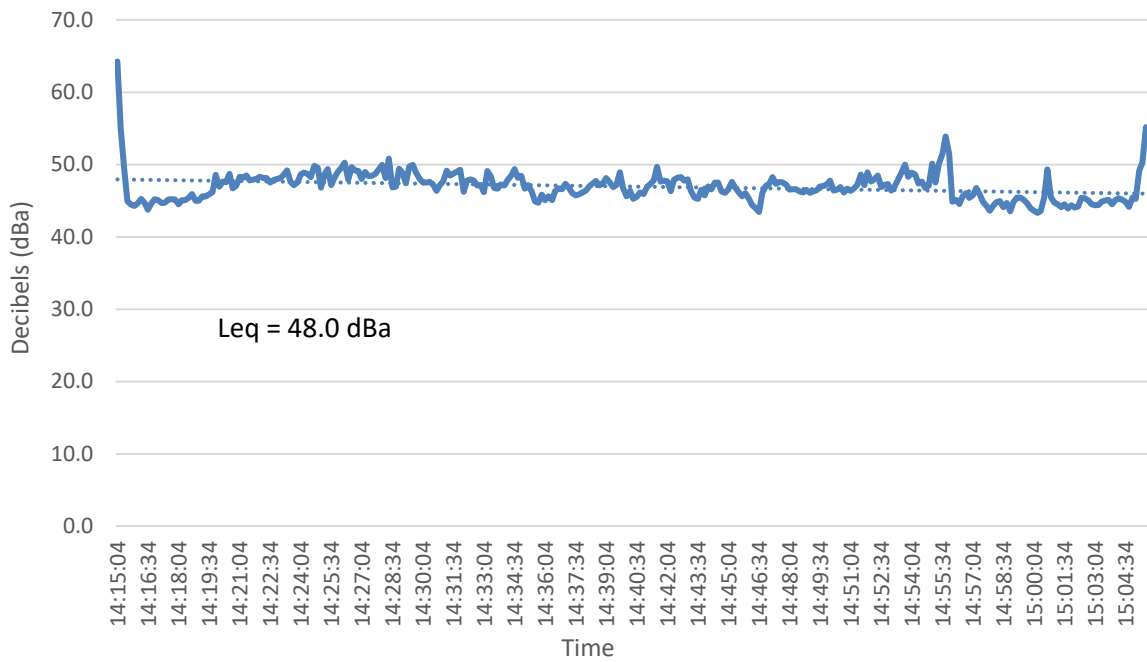
Devil's Gate Reservoir Restoration Project:
LBVI SM6 Leq July 01, 2020



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



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



APPENDIX C

Construction Monitoring Logs

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 arrived on site.

0700 gave WEAP training to new workers.

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

1115 discussed nest buffers with foreman at west access ramp

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

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

Additional Comments

N/A

Signature





photo_1-backhoe clearing esa line.jpg
-118.17266 34.1905



photo_2-backhoe removing mustard.jpg
-118.17215 34.19201



photo_3-esa fence installed.jpg
-118.17269 34.18906

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Photo_1-potholing facing NE.jpg
-118.17344 34.19028



Photo_2-potholing facing W.jpg
-118.17344 34.19028



Photo_3-potholing facing S.jpg
-118.17344 34.19028

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0635 arrived on site

0645 trained 3 new crew.

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

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

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

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

1500 work completed for the day.

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

Additional Comments

N/A

Signature





photo_1-pushing emergent vegetation off slope.jpg
-118.17616 34.18687



photo_2-clearing west access road.jpg
-118.17605 34.1871



photo_3-clearing esa fenceline.jpg
-118.17084 34.19404

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Potholing using backhoe, 2 crew members from Griffith Company

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 Crew arrived, workers received WEAP training.

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

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

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

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

1420 Biologist left site.

Additional Comments

N/A

Signature





KILL-1_nest_buffer_facing_west.jpg
-118.17474 34.1885



Potholing_example_facing_north.jpg
-118.17635 34.18852

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

1445 Biologist left site.

Additional Comments

N/A

Signature





Pothole_infill_example.jpg
-118.17198 34.19306

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0710 began monitoring ESA fence clearance.

0800 gave worker education training to 2 soiltec workers

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

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

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

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

1530 biologist left site

Additional Comments

N/A

Signature





photo_1-clearing esa fenceline.jpg
-118.17359 34.19106



photo_2-clearing esa fenceline.jpg
-118.17449 34.19058



photo_3-clearing of esa fenceline.jpg
-118.17671 34.18841



photo_4-backhoe mowing emergent vegetation.jpg
-118.17554 34.18942

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Cleared vegetation for nests before removal

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Photo-1_vegetation_clearing_before_facing_W.jpg
-118.17658 34.18788



Photo-2_vegetation_clearing_after_facing_N.jpg
-118.17621 34.18747

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0635 arrived onsite.

0700 gave weap training to new workers.

0730 inspected potential nest location at west access ramp.

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

1000 discussed air quality station relocation with tetra tech.

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

1200 removed nest buffer around killdeer nest. nest predated.

1230 added additional staking and signs to birds nests.

1530 biologist left site

Additional Comments

N/A

Signature





photo_1-staking for coye nest.jpg
-118.17371 34.18978



photo_2-staking for coye nest.jpg
-118.17363 34.19046



photo_3-emergent vegetation post removal.jpg
-118.17273 34.19074



photo_4-scale house installation.jpg
-118.17554 34.18821

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation clearing with skip loader with Victor.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

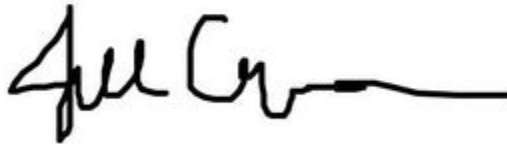
Found a song sparrow nest and created a buffer. Relocated 2 deer mice.

Additional Comments

N/A

Signature

|





Vegetation_clearing_before_facing_W.jpg
-118.17593 34.18852



Vegetation_clearing_after_facing_N.jpg
-118.17593 34.18852

Devil's Gate Biological Monitoring Log

Submitted By: SoCal_Bio

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

Date

May 27, 2020

Monitor Name

CJ Randel

Are Additional Monitors Present?

Yes

List Additional Monitors Present

Start Time

06:37

Start Temperature

59

Start Cloud Cover

0

Start Wind Speed

0-5

End Time

15:10

End Temperature

91

End Cloud Cover

0

End Wind Speed

3-10

Construction Activity and Personnel

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

What type of monitoring is being conducted?

Construction Monitoring

Covered Species Observed?

No

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

No

Include details of any least Bell's Vireo detected?

Other Wildlife Species Observed

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

Were Any Non-compliance Issues Observed?

No

Please State What Non-compliance Issues Occurred:

Did work activities occur outside predesignated work areas?

No

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

Log Entry

Log Entry - Photos taken?

Log Entry Photo A



California towhee nest with eggs

-118.17429 34.19046

Log Entry Photo B



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

Log Entry Photo C

Log Entry Photo D

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

Yes

Log Completed?

Yes

Signature

A handwritten signature in black ink, consisting of a large, stylized 'C' followed by a series of connected loops and a final horizontal stroke.

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0705- gave WEAP training to new backhoe operator.

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

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

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

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

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

Additional Comments

N/A

Signature





Grading_during_facingW.jpg
-118.18131, 34.19093



Vegetation_clearing_during_facingNW.jpg
-118.17446, 34.18537



Digging_test_holes_during_facingW.jpg
-118.17495, 34.18960

Devil's Gate Biological Monitoring Log

Submitted By: SoCal_Bio

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

Date

May 28, 2020

Monitor Name

CJ Randel

Are Additional Monitors Present?

Yes

List Additional Monitors Present

Adam Schroeder

Start Time

18:40

Start Temperature

61

Start Cloud Cover

100

Start Wind Speed

0-5

End Time

15:05

End Temperature

87

End Cloud Cover

0

End Wind Speed

3-10

Construction Activity and Personnel

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

What type of monitoring is being conducted?

Construction Monitoring

Covered Species Observed?

No

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

No

Include details of any least Bell's Vireo detected?

Other Wildlife Species Observed

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

Were Any Non-compliance Issues Observed?

No

Please State What Non-compliance Issues Occurred:

Did work activities occur outside predesignated work areas?

No

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

Log Entry

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

Log Entry - Photos taken?

Yes

Log Entry Photo A



Box scraping and water deposition of potential eastern haul road
-118.17249 34.19136

Log Entry Photo B



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

Log Entry Photo C

Log Entry Photo D

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

Yes

Log Completed?

Yes

Signature

A handwritten signature in black ink, consisting of a large, stylized 'C' followed by a series of loops and a final horizontal stroke.

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0745- monitored vegetation clearing along the eastern edge of the sediment removal area.
1005- monitored vegetation clearing along the western edge of the sediment removal area.
1240- monitored road grading in the center of the sediment removal area.

Additional Comments

N/A

Signature





Vegetation_clearing_during_facingSE.jpg
-118.17313 34.18925



Vegetation_clearing_during_facingSW.jpg
-118.17299 34.19191



Road_grading_during_facingSW.jpg
-118.17491 34.18777



ESA_Fencing_around_KILL_nest_facingS.jpg
-118.1754 34.18801

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0635 biologist arrived on site.

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

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

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

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

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

1445 work done for the day, conducted final sweep.

1500 biologist left site.

Additional Comments

N/A

Signature





photo_1-blade removing emergent vegetation.jpg
-118.17386 34.1896



photo_2-blade removing emergent vegetation.jpg
-118.17434 34.19015



photo_3-bird nest buffer.jpg
-118.1745 34.19019

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0642 arrived on site.

0700 trained one new griffith worker.

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

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

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

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

1300 began monitoring backhoe removing small areas of vegetation along slopes

1530 completed work for day, biologist left site

Additional Comments

N/A

Signature





photo_1-backhoe clearing esa fenceline.jpg
-118.17373 34.18584



photo_2-dozer clearing emergent vegetation.jpg
-118.17398 34.18977

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with bulldozer and George on backhoe

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

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

Signature





Vegetation_removal_facing_N.jpg
-118.17294 34.18958



Vegetation_removal_facing_W.jpg
-118.17346 34.18903



Vegetation_removal_facing_NE.jpg
-118.17356 34.18882

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation_removal_facing_NE.jpg
-118.17346 34.18823



Vegetation_removal_facing_W.jpg
-118.17613 34.18775

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0635 arrived on site, trained 4 new personnel.

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

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

1300 moved to center of reservoir to monitor mowing.

1400 scanned perimeter and esa fence, no issues.

1520 biologist left site.

Additional Comments

N/A

Signature





photo_1-start of sediment hauling.jpg
-118.17643 34.18815



photo_2-backhoe removing vegetation.jpg
-118.17594 34.1878



photo_3-backhoe removing vegetation at east access road.jpg
-118.17377 34.18605



photo_4-center of basin post clearing.jpg
-118.17455 34.18647

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Sediment_hauling_before_facingN.jpg
-118.17398 34.18637



Vegetation_removal_before_facingS.jpg
-118.17504 34.1888



Vegetation_removal_during_facingSE.jpg
-118.17541 34.18824



Vegetation_removal_after_facingSW.jpg
-118.17336 34.1876

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company work cancelled due to red flag

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0952 biologist left site.

Additional Comments

N/A

Signature





photo_1-willow branch broken onto ESA fence from wind.jpg
-118.17261 34.19097

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

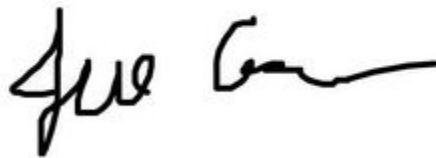
Log Entry

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

Additional Comments

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

Signature





Vegetation_removal_facing_SE.jpg
-118.17476 34.18738



Excavation_Facing_NW.jpg
-118.17343 34.18912



Bulldozer_facing_W.jpg
-118.17336 34.18762



Excavation_facing_N.jpg
-118.17345 34.18929

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Excavation: Excavator and dump trucks.

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Bulldozer_facing_SW.jpg
-118.17327 34.18746



Excavation_facing_N.jpg
-118.17318 34.18979



Excavation_facing_E.jpg
-118.17368 34.1899

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site, attended tailboard

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

1000 checked perimeter of site, no issues

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

1230 monitored vegetation removal. relocated 3 western toads

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

1551 biologist left site

Additional Comments

N/A

Signature





photo_1-morning hauling activities.jpg
-118.17399 34.18641



photo_2-loading haul truck.jpg
-118.1736 34.1898



photo_3-moving vegetation stockpiles.jpg
-118.17416 34.1899



photo_4-clearing emergent vegetation.jpg
-118.17388 34.18981

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 arrived on site. Trained 2 new Griffith workers

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

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

1450 crew wrapping up for day

1510 biologist conducted final sweep and left site

Additional Comments

N/A

Signature





photo_1-sediment hauling operations.jpg
-118.17645 34.18828



photo_2-skipper clearing vegetation.jpg
-118.17659 34.18858

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site.

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

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

1500 biologist left site

Additional Comments

N/A

Signature





photo_1-sediment hauling.jpg
-118.17649 34.18847



photo_2-vegetation removal.jpg
-118.1765 34.18846

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 Trained a new hire on environmental issues.

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

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

Additional Comments

N/A

Signature





Excavation_facing_E.jpg
-118.17647 34.18824



Vegetation_removal_facing_NW.jpg
-118.17669 34.18803



Vegetation_debris_removal_facing_NW.jpg
-118.1766 34.18811

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Victor on skiploader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

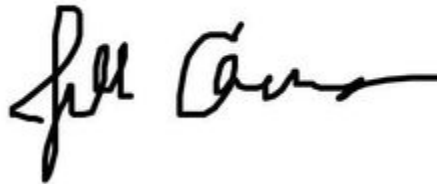
Log Entry

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

Additional Comments

N/A

Signature





Vegetation_removal_facing_S.jpg
-118.17685 34.18842



Excavation_facing_E.jpg
-118.17651 34.18794

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Victor on skid loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

Additional Comments

N/A

Signature





Vegetation Removal_facing_N.jpg
-118.17402 34.1899



Vegetation Removal_facing_E.jpg
-118.1739 34.18998

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Debris and vegetation removal with Victor on skid loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA SWTH HOFI SPTO CALT BEWR NRWS BHGR PSFL HUVI SOSP COHA CORA LEGO red-crowned parrot
western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 Trained new employee on environmental compliance/issues.

0800 Remainder of day spent monitoring vegetation and debris pile removal with Victor on skid loader, and monitoring the reinstallation of the ESA fence. Relocated about a dozen California toads, a western fence lizard, and a western harvest mouse.

Additional Comments

Signature





Debris_removal_facing_S.jpg
-118.17642 34.18881



Move_reinstall_ESA_fencing_facing_S.jpg
-118.17663 34.18869



Rock_removal_facing_E.jpg
-118.17661 34.18821

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:38	62 °F	0-3 MPH	100 %
End of Day	15:29	85 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company. Approximately 20 personnel, 1 dozer, 2 excavators, 2 blades, 1 skipper, 3 water trucks, haul trucks; sediment removal and emergent vegetation removal

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

casj, bewr, nrws, coye, nuwo, bhgb, bush, lego, yewa, blph, hola, western toad, side blotched lizard, CA ground squirrel, cora, parrot, calt, spto, atfl, caki

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site.

0700 gave weap training to new worker.

0730 logged bhgb nest by west access ramp.

0800 began surveying emergent vegetation for clearing.

1000 monitored removal of vegetation. located coye nest and established buffer. relocated 2 western toads and 1 deermouse.

1300 done clearing, monitored work activities.

1530 biologist left site

Additional Comments

N/A

Signature





photo_1-vegetation to be removed, before.jpg
-118.17374 34.18986



photo_2-vegetation, after buffer added to coye nest.jpg
-118.17396 34.19004



photo_3-vegetation removal.jpg
-118.17406 34.19022



photo_4-hauling operations.jpg
-118.1754 34.18942

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jun 23, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	63 °F	0-3 MPH	100 %
End of Day	15:00	82 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation clearing with Victor on skid 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:

CALT COYE SPTO CASJ SOSP ANHU CORA, red-crowned parrot, YEWA, California toad, side-blotched lizard, western whiptail, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Watched birds in area with COYE nest to clear, but second pair of COYE were acting suspiciously in the area, likely a second nest there. Spent rest of the day monitoring Victor on skid loader doing debris removal. Relocated 4 toads and 2 lizards. Check towhee nest at end of day; determined to be depredated.

Additional Comments

N/A

Signature





Rock_removal_facing_S.jpg
-118.17392 34.19003



Vegetation_debris_removal_facing_SW.jpg
-118.17395 34.18999



Dirt_removal_facing_NE.jpg
-118.17616 34.18718

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	15:00	83 °F	0-3 MPH	70 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal with Victor on skiploader

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA BLPH LEGO CAQU CALT COYE SOSP CASJ CORA COHA SPTO red-crowned parrot, western fence lizard, California toad, side-blotched lizard, western harvest mouse, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored vegetation and debris pile removal with Victor on skiploader. Relocated 5 California toads, a western fence lizard, a side blotched lizard, and 2 western harvest mice

Additional Comments

N/A

Signature





Vegetation_removal_facing_E.jpg
-118.17438 34.1902



Vegetation_debris_removal_facing_S.jpg
-118.1747 34.18963



Excavation_facing_NE.jpg
-118.17448 34.18947

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lauren Simpson
Date of Log: Jun 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	100 %
End of Day	14:59	80 °F	0-3 MPH	75 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Griffith Company 3 water trucks 2 excavators, 1 skip, 2 blades. Approximately 20 personnel. Hauling sediment and mowing low vegetation.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

casj, yewa, bars, nrws, coye, sosp, calt, spto, lego, parrot, kingsnake, western fence lizard, side-blotched lizard, cottontail, western toad, deer mouse, cora, clsw, hofi, blph

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0640 arrived on site, gave WEAP training to 2 new workers.

0700 began monitoring excavator and skipper clearing vegetation behind scale house on slope; relocated 25 western toads, 2 western fence lizards, 1 side-blotched lizard, 2 kingsnakes, 2 deer mouse, and 1 cottontail out of harms way.

1440 conducted final sweep of site

1500 biologist left site

Additional Comments

N/A

Signature





photo_1-vegetation clearing.jpg
-118.17524 34.18983



photo_2-after removal.jpg
-118.17508 34.18957

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Adam Schroeder
Date of Log: Jun 26, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	14:50	83 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Vegetation clearing, grading, sediment hauling
2. One skip loader, two excavators, one backhoe, one blade, one bulldozer, three water trucks, three super ten trucks, 60 bottom dump trucks
3. Eight Griffith personnel (Joe/Johnny)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

COYE, RLPA, CORA, CAQU, CLSW, CASJ, HOFI, BLPH, RTHA, western toad, deer mouse, common side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700- monitored sediment removal activities.

0710- monitored grading along the east end of the sediment removal area.

0720- monitored rock/rubble haul out.

0840- monitored vegetation clearing north of the scale house. Relocated 6 western toads, 1 common side-blotched lizard, and 1 deer mouse.

Additional Comments

N/A

Signature





Sediment_removal_facingE.jpg
-118.17589 34.18875



Vegetation_clearing_facingN.jpg
-118.17452 34.18918

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	95 %
End of Day	15:00	72 °F	0-3 MPH	90 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NRWS, COYE, CORA, RLPA, MODO, CLSW, BLPH, ROPI, CA ground squirrel, western fence lizard, coastal whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700- monitored sediment removal activities.

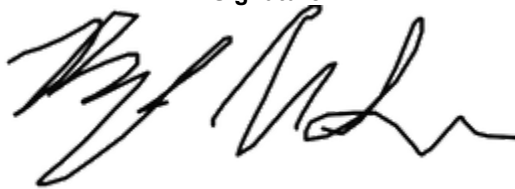
0711- monitored vegetation clearing west of the scale house. Relocated one western fence lizard.

1300- monitored vegetation clearing along western edge of the sediment removal area. Relocated one western toad.

Additional Comments

N/A

Signature





Vegetation_removal_during_facingSE.jpg
-118.17598 34.18891



Sediment_removal_during_facingSW.jpg
-118.17597 34.18892



Vegetation_clearing_after_facingN.jpg
-118.17687 34.188

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Jill Coumoutso
Date of Log: Jun 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	59 °F	0-3 MPH	100 %
End of Day	15:00	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Vegetation removal monitoring with Victor on skid loader

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BLPH PSFL BUSH BEWR YEWA BHGR HUVI NRWS CALT COYE

Did You Observe any Non-Compliance Issues? Yes No

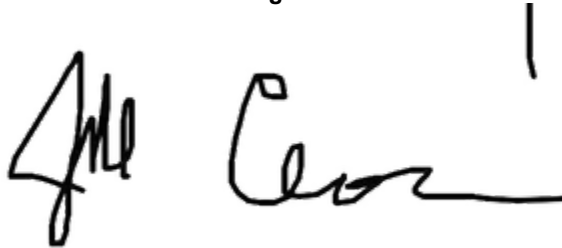
Log Entry

0700 Monitored vegetation removal on west side with Victor on skid loader. Relocated 2 western whiptails, 4 western fence lizards, 5 California toads, and a western harvest mouse.
1330 moved to east side to monitor debris/ wood pile removal

Additional Comments

N/A

Signature





Vegetation_removal_facing_E.jpg
-118.1766 34.18821



Vegetation_removal_facing_NW.jpg
-118.1769 34.18795



Debris_wood_removal_facing_NE.jpg
-118.17318 34.1893

APPENDIX D

Habitat Restoration Monitoring Logs

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	43 °F	0-3 MPH	0 %
End of Day	15:30	64 °F	0-3 MPH	33 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew clearing weeds.jpg
-118.17291 34.19385



Crew clearing planted area of invasive plants.jpg
-118.17295 34.19342

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 2, 2020

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





photo_1-Crew clearing weeds.jpg
-118.17278 34.19371



photo_2-Crew clearing non-native vegetation.jpg
-118.17268 34.19374

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	47 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	6 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, parrots, California thrasher, white-crowned sparrow, Canada goose, California scrub jay, song sparrow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





Clearing crew at work.jpg
-118.17292 34.19376



Crew removing non-native vegetation.jpg
-118.17288 34.19359

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Max Murray
Date of Log: Apr 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:16	48 °F	0-3 MPH	100 %
End of Day	12:50	63 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Vegetation clearing (weeding in the restoration area) 2. Hand tools and hand pulling (hula hoe, spade, and pick) and one gas-powered steamer. 3. Natures Image restoration crew consisting of Ron Crawford (foreman) and 10 laborers.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YRWA, CALT, CAQU, CORA, BLPH, HOFI, COYE, LEGO, SOSP, WCSP, EUST, CASJ, NOMO, ACWO, SPTO, BGGN, CANG, ANHU, ALHU, RSHA, RTHA, HOWR, BEWR, GREG, NUWO, Dryobates sp., CATH, COHA, WEKI, KILL, MODO, Western fence lizard, TUVU, AMCR, HOOR, MALL, BUSH

Did You Observe any Non-Compliance Issues? Yes No

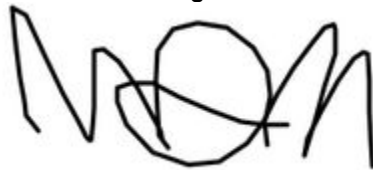
Log Entry

0645 - arrive on site 0700 - WEEP training 0715 - pre-construction clearance of north side of DG-4 0730 - begin monitoring restoration crew 0830 - steamer begins steaming non-native vegetation 1245 - end monitoring

Additional Comments

Light rain on and off throughout the day.

Signature





Vegetation_clearing_before_facingSE.jpg
-118.1722 34.19531



Vegetation_clearing_steamer_during_facingE.jpg
-118.17299 34.19327



Vegetation_clearing_after_facingNE.jpg
-118.17246 34.19509

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Max Murray
Date of Log: Apr 8, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:35	47 °F	0-3 MPH	90 %
End of Day	12:40	56 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Vegetation clearing within restoration area DG-4. 2. Hand tools (shovels, hoes, and picks) and a gas powered steamer 3. Natures Image crew consisted of a foreman (Ron Crawford) and ten laborers

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, COYE, YRWA, BEWR, ACWO, CAQU, WCSP, HOWR, CATH, SOSP, ANHU, RCKI, EUST, KILL, WEBL, CASJ, BGGN, HOFI, LEGO, CORA, AMCR, NOMO, DEJU, TUVU, MALL, COHA, NOFL, NUWO, RCPA, AWPE, coyote, CAGU, RBGU, WEGU, GBHE, GREG, CANG, NRWS, RTHA, MODO, WTSW, WILW

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 - arrive onsite 0650 - begin pre-construction clearance 0715 - WEEP training 0720 - begin monitoring 1240 - end monitoring

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingE.jpg
-118.1723 34.19473



Vegetation_clearing_before_facingE.jpg
-118.17271 34.19386



Vegetation_clearing_after_facingNE.jpg
-118.17242 34.19369



Vegetation_clearing_after_facingE.jpg
-118.17221 34.19481

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	47 °F	0-3 MPH	10 %
End of Day	15:30	67 °F	0-3 MPH	40 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, song sparrow, Say's phoebe, Anna's hummingbird, Canada goose

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew clearing weeds from restoration area.jpg
-117.70867 34.09312



Another view of crew working removing weeds.jpg
-117.70868 34.09306

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	42 °F	0-3 MPH	0 %
End of Day	15:30	74 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, California thrasher, California scrub jay, parrots, house finch, song sparrow, bobcat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





photo_1-Crew clearing vegetation.jpg
-118.1725 34.19403



photo_2- Crew removing weeds.jpg
-118.17209 34.19374

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	56 °F	0-3 MPH	100 %
End of Day	15:30	64 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds and debris from area DG-3A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Area cleared of weeds by steam treatment 4 weeks previously.jpg
-117.70871 34.09306



Area cleared of weeds by hand 2 days previously.jpg
-117.70871 34.09306

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 16, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	43 °F	0-3 MPH	0 %
End of Day	15:30	74 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, common raven, parrots, California thrasher, white-crowned sparrow, acorn woodpecker, yellow-rumped warbler

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





photo_1- Clearance crew at work.jpg
-118.17281 34.19368



photo_2-Crew removing non-native invasive plant species from planted restoration area.jpg
-118.17297 34.1935

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	52 °F	0-3 MPH	100 %
End of Day	15:30	74 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, common raven, parrots, California thrasher, white-crowned sparrow, acorn woodpecker, yellow-rumped warbler

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





photo_1-Crew clearing weeds.jpg
-118.17314 34.19371



photo_2-Again crew clearing weeds.jpg
-118.17311 34.19366

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 20, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	56 °F	0-3 MPH	100 %
End of Day	15:30	64 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds and debris from area DG-3A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Debris covering part of the DG-3A planted area.jpg
-118.17302 34.18773



View of extent of debris in DG-3A.jpg
-118.17361 34.18616



Another view of debris in DG-3A.jpg
-118.17334 34.18672



Crew working to remove debris from planted area.jpg
-118.17307 34.18738

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	55 °F	0-3 MPH	100 %
End of Day	15:30	72 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing weeds and debris from area DG-3A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed and debris clearance, no corrective actions needed.

Additional Comments

Signature





Photo 1_Overview of debris flow DG-3A.jpg
-118.173157 34.186587



Photo 2_Southern debris flow area DG-3A.jpg
-118.17294 34.18701



Photo 3_Clearing an area for vehicle passage through debris deposit.jpg
-118.17293 34.18776

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 22, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	0 %
End of Day	15:30	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

7 persons clearing weeds and debris from area DG-3A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Yellow-rumped warbler, California towhee, common raven, parrots, white-crowned sparrow, Say's phoebe, spotted towhee

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed and debris clearance, no corrective actions needed.

Additional Comments

Signature





Photo 1_Work area before.jpg
-118.17305 34.18777



Photo 2_Work area after clearing activities.jpg
-118.17299 34.18775



Photo 3_Work area and road after debris removal by DWP.jpg
-118.17301 34.18777

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 23, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

7 persons clearing weeds and debris from area DG-3A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed and debris clearance, no corrective actions needed.

Additional Comments

Signature





Photo 1_Crew clearing area of non-native plants.jpg
-118.17307 34.18753



Photo 2_Clearing weeds from one of the planted areas.jpg
-118.17337 34.1869



Photo 3_View of road cleared of debris.jpg
-118.1732 34.18721

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Apr 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	6 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Restoration crew removing non-native vegetation in DG-3A with hand tools

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, common raven, parrots, California quail, spotted towhee, song sparrow, unidentified raptor

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





Photo 1_Crew clearing non-natives on slope.jpg
-118.17306 34.18742



Photo 2_Crew clearing weeds on slope.jpg
-118.17313 34.18727

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Brian Zitt
Date of Log: Apr 27, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	61 °F	0-3 MPH	0 %
End of Day	12:01	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Eight Natures Image employees working in DG-3 removing non-native vegetation using hand tools and pulling.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, CASJ, CALT, KILL, MALL, AMCO, NRWS, ANHU, CLSW, ACWO, HOFI, BLPH, EUST, MODO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0710 conducted a sweep of the work areas.

0725 monitored non-native vegetation removal in DG-3.

Additional Comments

N/A

Signature





Photo 1_DG-3_vegetation clearing_before_facingS.jpg
-118.17314 34.18721



Photo 2_DG-3_vegetation clearing_after_facingS.jpg
-118.17311 34.18723

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Brian Zitt
Date of Log: Apr 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	58 °F	0-3 MPH	0 %
End of Day	11:50	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image restoration crew (8 staff) working in DG-2B removing non-native vegetation by hand.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, MODO, CASJ, SOSP, ANHU, CALT, SPTO, MALL, ACWO, CLSW, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 crew begin removing non-native vegetation in DG-2B

1130 crew split to take bagged vegetation to dumpster while remaining crew continued removing non-native vegetation.

Additional Comments

Signature





Non-native vegetation removal_DG-2B_facingNW.jpg
-118.17246 34.18835

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Carley Lancaster
Date of Log: Apr 29, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	70 %
End of Day	12:00	81 °F	0-3 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew used hand tools to remove non-native weeds in DG-2B. Crew consisted of two foremen (Ron Crawford and Marvin Sanchez) and six laborers. Target weeds included black mustard, poison hemlock, sweet yellow clover, black nightshade, and non-native grasses.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ BEWR ANHU CALT SPTO ACWO CORA RTHA RSHA EUST BUSH LEGO HOFI RCSP WREN CATH KILL
SOSP MODO CLSW NRWS

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700, biologist arrived on site and conducted pre-removal survey
0715, crew began removing weeds in DG-2B
1200, biologist conducted final sweep and left for the day.

Additional Comments

N/A

Signature





Photo 1_Weeding_DG-2B_during_facingNW.jpg
-118.17242 34.18887



Photo 2_Weeding_DG-2B_during_facingN.jpg
-118.17252 34.18866

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Christine Tischer
Date of Log: Apr 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	0 %
End of Day	13:30	75 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

8 workers from the Natures Image crew hand weeding in DG-2

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

1 individual briefly heard to south and moving north along east edge of basin along project limits. Only sang 2 complete songs as it moved through the area. Quickly left. None heard or seen for the remainder of the day.

List of species observed while monitoring:

CASJ, CATH, BUSH, SOSP, CAQU, ANHU, BEWR, MODO, RSHA, WIWA, COYE, YEWA, LBVI, BGGN, CORA, parrots, California whipsnake, western toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700 conducted preclearance sweep and did not detect any new nests. Authorized crew to begin hand clearing.
0915 migrant LBVI briefly heard as it moved through area. Entered occurrence in Collector and notified Lauren.
1045 observed Bewick's wren entering hole 3 times throughout morning in old stick nest in oak tree north of where crew was working. Flagged a buffer and monitored to protect the nest that is assumed to be in building phase.
1100 Bewick's wren pair seen taking nesting material to underside of staged Arrowboard. Immediately notified Lauren, Mari (ECORP PM) and Mark Gim (LACPW) that board should be moved before nest is completed and eggs are laid.
1300 Griffith moved Arrowboards to tire wash.
1330 Crew completing already cleared area outside BEWR-4 buffer. Finished monitoring and departed from site.

Additional Comments

N/A

Signature





BEWR-4 buffer_facing N_DG-2A.jpg
-118.17197 34.18977

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Carley Lancaster
Date of Log: May 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	60 %
End of Day	12:00	79 °F	0-3 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew used hand tools to remove non-native weeds in DG-4B. Crew consisted of two foremen (Ron Crawford and Marvin Sanchez) and four laborers. Target species included perennial pepperweed, poison hemlock, black mustard, London rocket, and non-native grasses.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ BUSH ACWO BEWR CALT SPTO ANHU CORA AMCR NOMO CATH RSHA BEWR EUST CAQU SOSP
MODO BLPH CLSW NRWS

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700, biologist arrived on site and conducted pre-removal sweep.
0715, crew began removing weeds in DG-4B.
1200, biologist conducted final sweep and left for the day.

Additional Comments

N/A

Signature





Photo 1>Weeding_before_DG-4B_facingSE.jpg
-118.17517 34.19264



Photo 2>Weeding_during_DG-4B_facingSE.jpg
-118.17519 34.19255

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	49 °F	0-3 MPH	0 %
End of Day	15:30	91 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, common raven, parrots, California thrasher, white-crowned sparrow, song sparrow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





Weed clearing DG-4.jpg
-118.17523 34.19247



Weed clearing 2.jpg
-118.17512 34.19241

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	93 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, white-crowned sparrow, Nuttall's woodpecker, acorn woodpecker

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew weeding.jpg
-118.17533 34.19199



Crew weeding 2.jpg
-118.1751 34.1921

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	93 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, white-crowned sparrow, Nuttall's woodpecker, acorn woodpecker

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed. Encountered a young mountain lion mid-morning in northern DG-4. Location recorded in Collector.

Additional Comments

Signature





Crew removing weeds.jpg
-118.1746 34.1935



Crew clearing non-natives from restoration area.jpg
-118.17406 34.19403

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Max Murray
Date of Log: May 7, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	10 %
End of Day	07:30	97 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Vegetation clearing within restoration area DG-4.
2. Hand tools (shovels, hoes, and picks) and a gas-powered steamer
3. Natures Image crew consisted of a foreman (Daniel) and five laborers

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, CAQU, ACWO, CALT, ANHU, SOSP, COYE, LEGO, BUSH, MODO, BEWR, NRWS, SPTO, AMRO, CATH, RTHA, RSHA, side blotch lizard, western fence lizard, coastal whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 - arrive on site

0654 - clearance survey of DG-4; Nature's image crew member mountain lion observation

0700 - begin monitoring Natures Image crew removing non-native vegetation in DG-4

1330 - end monitoring

Additional Comments

Signature





Vegetation_clearing_before_facingN.jpg
-118.17538 34.19125



Vegetation_clearing_during_facingE.jpg
-118.17525 34.1911



Vegetation_clearing_after_facingW.jpg
-118.17535 34.19129



Vegetation_clearing_after_facingE.jpg
-118.17536 34.19123

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Max Murray
Date of Log: May 8, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:53	64 °F	0-3 MPH	0 %
End of Day	13:33	88 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Vegetation clearing within restoration area DG-4.
2. Hand tools (shovels, hoes, and picks)
3. Natures Image crew consisted of a foreman (Daniel) and ten laborers

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

1 male LBVI calling from an area near a small drainage lined with willows in DG-4. First heard calling male at 0715 and last call heard around 0900. During this time the bird would call for 10-20 minutes then not call for 5-10 minutes. No calls were heard after 0900.

List of species observed while monitoring:

ACWO, COHA, CORA, AMCR, CALT, COYE, SPTO, LEGO, NUWO, NRWS, CAQU, SOSP, CASJ, BEWR, BLPH, HOWR, RSHA, HOFI, YEWA, LBVI, BHGR, western fence lizard, side blotch lizard, coastal whiptail, coyote, cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 - arrive on site; clearance survey of DG-4

0700 - begin monitoring Natures Image crew removing non-native vegetation in DG-4

0715 - heard LBVI calling in DG-4

1330 - end monitoring

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingN.jpg
-118.17504 34.19122



Vegetation_clearing_after_facingW.jpg
-118.17496 34.19302

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing non-native plants from restoration area.jpg
-118.17441 34.19377



Crew weeding.jpg
-118.17287 34.19398

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing weeds in north DG-4.jpg
-118.17327 34.19349



Crew clearing non-native plants from restoration areas in DG-4.jpg
-118.17329 34.19348

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 13, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	58 °F	0-3 MPH	0 %
End of Day	15:30	78 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California towhee, song sparrow, unidentified raptor, Downey woodpecker, house finch

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing weeds in restoration area.jpg
-118.17309 34.19376



Crew removing non-native plants from restoration area.jpg
-118.17321 34.19354

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 14, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	57 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

N/A

Signature





Crew weeding in restoration area.jpg
-118.17742 34.18899



Crew removing non-natives from restoration area.jpg
-118.17734 34.1887

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew clearing non-native plants from restoration area.jpg
-118.17785 34.18766



Crew removing weeds from restoration area.jpg
-118.17294 34.19327

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow, black phoebe

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Steady rain began about 0830 stopping work.

Crew waited for rain to abate then left around 1100 when rain continued with no sign of letting up.

Signature





Crew removing weeds.jpg
-118.17405 34.19189



Crew removing non-native vegetation from restoration area in DG-4.jpg
-118.17474 34.19176

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	58 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Willow "cotton" covering ground.jpg
-118.17779 34.18716



Area being weeded.jpg
-118.17712 34.18674

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 20, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	31 %
End of Day	15:30	76 °F	0-3 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow, black phoebe

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing non-native plants.jpg
-118.17443 34.19147



Crew weeding restoration area.jpg
-118.1744 34.19147

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 21, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

10 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew weeding in northern DG-4.jpg
-118.1744 34.19128



More weeding in northern DG-4.jpg
-118.17299 34.1933

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

6 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing non-native plants from restoration area.jpg
-118.17709 34.18651



Another crew removing weeds from restoration area.jpg
-118.17723 34.18673

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	68 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew weeding in restoration area.jpg
-118.17748 34.18822



Crew removing non-native vegetation.jpg
-118.17751 34.18815

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 28, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

10 persons clearing non-native species (weeds) from planted areas in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, Downey woodpecker, spotted towhee, Bewick's wren

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Restoration area being weeded.jpg
-118.17723 34.18669



Also a restoration area being weeded.jpg
-118.17715 34.18681

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: May 29, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	68 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew member removing weeds.jpg
-118.17716 34.18764



Crew removing non-native material.jpg
-118.17714 34.18765

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Jun 1, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing non-native vegetation from restoration area.jpg
-118.17747 34.1882



Crew removing weeds in restoration area.jpg
-118.17748 34.18822

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kent Hughes
Date of Log: Jun 2, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	100 %
End of Day	15:30	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco, California towhee

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew clearing non-native plants from restoration area.jpg
-118.17745 34.18864



Crew clearing weeds from restoration area.jpg
-118.17767 34.18862

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Monitored weed clearance, no corrective actions needed

Additional Comments

Signature





Crew removing weeds in restoration area.jpg
-118.17754 34.18922



Crew pulling non-native vegetation.jpg
-118.17752 34.18936

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 4, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:19	62 °F	0-3 MPH	100 %
End of Day	14:50	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew conducted hand-pulling in DG-4. Crew included 8 laborers, plus foreman Daniel.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Anna's hummingbird, California scrub jay, green parrots, bushtits, California towhee, Nuttall's woodpecker, yellow warbler, Bewick's wren, spotted towhee, common yellowthroat, song sparrow, California quail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Non-native species controlled were primarily poison hemlock, perennial pepperweed, and wild radish.

1330: Anna's hummingbird nest found in adjacent DG-4A area. Established buffer and observed female's activity.

1445: Female at ANHU-12 was acting stressed by nearby work. Monitors told crew to stop work 15 minutes early to avoid further disturbance.

Additional Comments

N/A

Signature





Hand_pulling_in_progress_facingNE.jpg
-118.17673 34.1896



Hand_pulling_midday.jpg
-118.17671 34.1896

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 5, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	100 %
End of Day	15:00	67 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew, including 12 laborers and foreman, Daniel. Hand-pulling in northern DG-4 area

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California scrub jay, California towhee, spotted towhee, northern rough-winged swallow, Cooper's hawk, lesser goldfinch, house finch, western toad, red-tailed hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 light precipitation, continued until about 0930. Weeds removed were primarily black mustard, tocalote, and italian thistle. No corrective action needed.

Additional Comments

N/A

Signature





Hand pulling before facing NE.jpg
-118.17273 34.19416



Hand pulling progress midday.jpg
-118.17268 34.1942



Western toad found during weed removal.jpg
-118.17231 34.19431



Hand pulling after facing S.jpg
-118.17243 34.19447

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 8, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:50	85 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Two Natures Image crews working in adjacent areas of northern DG-4. Lolo's crew, consisting of 5 laborers, is hand-pulling weeds in the area south of the large parking area. Daniel's crew, consisting of 12 laborers, is to the northeast in the same area as Friday 6/5, also hand-pulling.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Cooper's hawk, red-tailed hawk, California towhee, Anna's hummingbird, northern rough-winged swallow, California scrub jay

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Gave WEEP training to temporary worker (Adrian) before starting. Observed two crews hand-pulling in nearby areas of DG-4. Weeds pulled were primarily black mustard, Italian thistle, and tocalote. No corrective actions required.

Additional Comments

N/A

Signature





South crew hand-pulling, before, facing W
-118.17325 34.19374



North crew hand-pulling, before, facing NE
-118.1726 34.19457



South crew, midday, facing W
-118.17311 34.19372



North crew, facing NE, midday
-118.17251 34.1946

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:40	92 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11, with foreman Daniel. Hand-pulling in north end of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Lesser goldfinch, California scrub jay, western toad, spotted towhee

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Gave WEEP training to temporary worker (Adrian) before starting work.

0930 Workers flushed a western toad when clearing a patch of lush vegetation near a suspected irrigation leak.

Monitor relocated toad to a safe area nearby. Monitored non-native vegetation removal, mostly consisting of black mustard, tocalote, and Indian plantain (*Plantago arenaria*).

Additional Comments

N/A

Signature





Hand-pulling in progress, facing E
-118.17239 34.19549



Hand-pulling in another area, facing W
-118.17226 34.19501



Hand-pulling, after, facing E
-118.17226 34.19552

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	0 %
End of Day	13:05	94 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew, consisting of 11 workers plus foreman Daniel, hand-pulling in northern area of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California scrub jay, common yellowthroat, California quail, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Gave WEEP training to temporary worker (Dominique) before starting work. Observed hand-pulling of primarily perennial pepperweed, poison hemlock, and black mustard.

1230 ECORP monitor found an irrigation leak in LBV buffer. Accompanied one crew member into buffer to fix leak.

1300 due to heat, foreman stopped hand-pulling and will have crew check irrigation lines and bring bagged vegetation to dumpsters for remaining time.

Additional Comments

N/A

Signature





Hand-pulling, before, facing SE
-118.17281 34.19395



Same view, progress in early afternoon
-118.1728 34.19389

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 11, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	13:25	90 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11, plus foreman Daniel, hand-pulling in northern area of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Allen's hummingbird, house finch, Bewick's wren, common yellowthroat, California quail, bushtit, song sparrow, black phoebe, red-tailed hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0830 Crew member found song sparrow nest about 20ft outside SOSP-3 buffer. Established 75ft buffer and moved crew.

1030 Found lizard (possibly San Diegan tiger whiptail) caught in caging around plant. Used needlenose pliers to widen the cell so lizard could slip through. Lizard had not been stuck for long and no visible harm was caused. Lizard left the area safely on its own. Observed Natures Image crew hand-pulling primarily poison hemlock and black mustard.

Additional Comments

N/A

Signature





Proposed work area near SOSP-3 buffer, crew later moved due to SOSP-7, facing NE
-118.17291 34.19413



Hand-pulling in area south of SOSP-7 buffer, facing S
-118.17269 34.19366



Crew cleaning up pulled vegetation, facing N
-118.17234 34.19396

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 12, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	40 %
End of Day	14:30	77 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel hand-pulling in northern area of DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Bushtit, California scrub jay, spotted towhee, lesser goldfinch, California quail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Observed hand-pulling of non-natives, primarily poison hemlock, black mustard, and dogweed. No corrective actions needed.

Additional Comments

N/A

Signature

 l



Work area, hand-pulling, before, facing SE
-118.17329 34.19347



Hand pulling, after, facing W
-118.17313 34.19339



Finishing hand-pulling in north section of DG-4, facing W
-118.17365 34.194

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 15, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	5 %
End of Day	14:45	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8, plus foreman Daniel, hand-pulling non-native weeds in DG-2B and DG-2A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Northern rough-winged swallow, California quail, California scrub jay, Anna's hummingbird, acorn woodpecker

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 NI crew drove into site in a caravan, as today is the first time on the east side for some crew members. Parked near equipment container at Johnson field and walked to DG-2B.

0920 Crew member saw snake, likely a California striped racer based on description, that immediately left the area.

1230 Crew completed work in DG-2B and moved to DG-2A. Observed hand-pulling of mainly black mustard. Spoke with foreman regarding spikes at air quality stations and reminded crew to drive slowly and avoid kicking up dust.

Additional Comments

N/A

Signature





Photo 1-crew pulling in DG-2B, before, facing S.jpg
-118.17234 34.1891



Photo 2-pulling complete in DG-2B, facing S, same place as photo 1.jpg
-118.1724 34.18909



Photo 3-before hand-pulling in DG-2A, facing N.jpg
-118.1722 34.18962



Photo 4-weeding complete in DG-2A, facing N, same place as photo 3.jpg
-118.1722 34.18956

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	14:40	73 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8, plus foreman Daniel, hand-pulling in DG-3A, near construction activities

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Northern rough-winged swallow, song sparrow, common yellowthroat, Allen's hummingbird, Cooper's hawk

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0930 Griffith employee came over to remind crew to stay off the road as trucks will be driving through all day. Crew has been careful all morning to stay out of the way as trucks approach.
1030 Crew members discovered the two irrigation lines that run under the road dividing DG-3A have been cut and removed, causing water to leak onto the road and preventing plants in the lower section from getting water. ECORP will coordinate with the county, SWS, and NI to figure out a solution. Observed NI crew hand-pulling mainly black mustard, curly dock, and wild radish.

Additional Comments

N/A

Signature





Photo 1-work area, facing N.jpg
-118.17288 34.18744



Photo 2-before hand-pulling, facing S.jpg
-118.17309 34.18735



Photo 3-eucalyptus re-sprouted from stump treated with copper nails.jpg
-118.17311 34.18727



Photo 4-after hand-pulling, facing S, same place as Photo 2.jpg
-118.17306 34.18734

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jun 17, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	100 %
End of Day	15:00	77 °F	7-9 MPH	30 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8 plus foreman Daniel hand-pulling at DG-3A until 1200, 1230 moved to DG-4 and DG-4C.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, NRWS, COYE, CASJ, CALT, LEGO. Western toadlets around water but also in upland weeding area, advising crews to avoid trampling.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0845 Margie and Scott nest-searched for SOSP nest but none were found. Crew is cleared to weed that area.
0908 crew member discovered a small 12" rattlesnake, picked it up and was advised to put it down but he relocated to E side of road (where already weeded) before we could intercept him. Located snake, see photo 2. Weed species removed at DG-3A were mainly poison hemlock and perennial pepperweed.
1230 Checked old nest locations, none found. Searched for new nests, none found. Weed species removed at west side sites were mainly mustard and poison hemlock. Sites DG-4, DG-4C still in progress at end of day, will continue tomorrow.

Additional Comments

N/A

Signature





Photo 1-before_handpulling_facing_south.jpg
-118.17314 34.18727



Photo 2-rattlesnake_relocated.jpg
-118.17306 34.18692



Photo 3-after hand pulling facing south same as photo 1.jpg
-118.17319 34.18734



Photo 4-during hand pulling facing east.jpg
-118.1749 34.19258

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 18, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	14:50	71 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel hand-weeding in DG-4C, DG-4B, and DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, northern rough-winged sparrow, spotted towhee

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Gave two new temporary workers WEEP training before starting work.

0710 Member of the public followed crew through west gate and became aggressive when realizing gate was locked behind him. He drove down the trail to the east of the vireo buffer. Police, County, and Construction Manager were contacted and controlled the situation. ECORP biologist observed tow truck and associated activity in the buffer.

1000 Went with Daniel to investigate social trail. Found teepees and willows with the bark stripped off. May be left from previously noted activities by Tom Sawyer campers. Observed crew pulling mainly poison hemlock and perennial pepperweed. Crew transitioned from pulling only in planted areas to all of Phase 1. No corrective actions required.

Additional Comments

N/A

Signature





Photo 1-hand-pulling in progress, DG-4C, facing N.jpg
-118.17434 34.19384



Photo 2-after weeding, facing N, same place as Photo 1.jpg
-118.17433 34.19376



Photo 3-hand-pulling in progress, DG-4B, facing E.jpg
-118.17505 34.192



Photo 4-after weeding, facing E, same place as Photo 3.jpg
-118.175 34.19201

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jun 19, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	15:00	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 plus foreman Daniel, 4 more arrive at 0830. Hand-pulling.

Did you observe any special-status species? Yes No

Least Bell's vireo, Yellow warbler

Were any least Bell's Vireo detected? Yes No

Working in DG-4 and DG-4B outside LBVI buffer, heard LBVI occasionally singing within nest buffer during 0800-0900, but bird was not leaving buffer.

List of species observed while monitoring:

CASJ, CALT, NUWO, ACWO, BHGR, SOS, CATH, LBVI, woodrat middens, OATI, SPTO, BUSH, HOFI, NRWS, BLPH, LEGO, ANHU, ATFL, CAKI, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 finishing up DG-4B and getting into DG-4. Two crew members stung/bit by yellow jackets nesting in old woodrat midden. Analgesic lotion and bandaids provided from first aid kit.

0910 Met with Charlie Wun from Tetra Tech, needs to access an air quality monitoring station on east side of LBVI next Tuesday, says he contacted Lauren about driving through buffer to station that is just outside bufer boundary.

1200 working exclusively in DG-4, while Daniel left with several crewmen to repair broken irrigation line at DG-3A.

1230 relocated small western toad to nearby mule fat thicket when encountered under elderberry planting.

Additional Comments

N/A

Signature





DG-4, DG-4B, during hand pulling looking S.jpg
-118.17512 34.19198



DG-4 before hand-pulling, facing N.jpg
-118.17457 34.19161



DG-4 after hand-pulling facing N.jpg
-118.17453 34.19157

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 22, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	62 °F	0-3 MPH	100 %
End of Day	14:50	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8, plus foreman Daniel hand-pulling in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

House wren, lesser goldfinch, spotted towhee,

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Gave WEEP training to temporary worker (Kyle) before starting work.

0900 Crew member thought he found a nest. Observed a large pile of sticks and debris that could be a rat nest.

1010 Observed desert cottontail on edge of planted area. Daniel said he saw three juveniles with it, but they are now under mulefat cover. Observed crew hand-pulling in pockets between mulefat. Weeds removed were mainly black mustard and poison hemlock.

Additional Comments

N/A

Signature

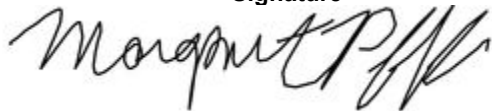




Photo 1- before weeding, facing S.jpg
-118.17456 34.19163



Photo 2- after weeding, same view as Photo 1.jpg
-118.17446 34.19145



Photo 3- before weeding in DG-4, Facing N.jpg
-118.17388 34.19157



Photo 4- after weeding, same view as Photo 3.jpg
-118.17385 34.19161

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jun 23, 2020

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 including foreman Daniel. Hand-pulling in mule fat scrub and willow forest. Primarily pulling Conium, Lepidium, Hirschfeldia, Carduus.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, SPTO, BUSH, CALT, COYE, LEGO, ALHU, MODO, BEWR, CASJ, BLPH, coastal whiptail, western fence lizard, side-blotched lizard, HOOR, CAKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 continue DG-4 and DG-4 WOUS from yesterday, along SE edge, mostly beyond planted/irrigated area in willows/mule fat.

0730 training one new crewman.

0845 noticed crew had been inadvertently pulling native *Allophylum divaricatum*, advised to leave it.

1215 after visiting BEWR-5 nest site three times today, still no activity, buffer removed in Collector, flags removed.

Crews may not weed that area before tomorrow. Yellow-jacket nest at 34 11'28.580 118 10'26.314" is preventing some Conium/Lepidium removal (visible at center of photo 3). Crew done pulling at 1445 to check drip lines.

Additional Comments

N/A

Signature



"



Photo 1-hand-pulling_facingS.jpg
-118.17407 34.19133



Photo 2-after_hand-pulling_facingS.jpg
-118.17412 34.19134



Photo 3- hand-pulling_nearly_completed_facingS.jpg
-118.17401 34.19124



Photo 4- hand-pulling_completed_facingNW.jpg
-118.17407 34.19133

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jun 24, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	15:00	86 °F	4-6 MPH	30 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 14 including foreman Daniel Holmes hand-pulling in DG-4, DG-4 WOUS, continuing in same area as yesterday.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BEWR, CASJ, MODO, CALT, BUSH, western fence lizard, SPTO, SOSP, CATH, coastal whiptail, ACWO, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 crew continuing in DG-4 along east boundary. Crew questioned whether to pull Conium etc entangled in native dodder (Cuscuta; I confirmed yes, more important to remove weeds than save all dodder.
1130 move further north into released BEWR-5 buffer, in DG-4 and DG-4 WOUS.

Additional Comments

N/A

Signature





Photo 1- before_hand_pulling_facingNW.jpg
-118.17397 34.19097



Photo 2- before_hand_pulling_facingNE.jpg
-118.17399 34.19093



Photo 3- after_hand_pulling_from_photo1_facingNW.jpg
-118.17397 34.19096



Photo 4- during_hand_pulling_facingS_from_main_trail.jpg

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 25, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	13:50	75 °F	0-3 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

California towhee, California scrub jay, bushtit, southern pacific rattlesnake, western whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0830 Several cars were parked in west side lot near dumpster where NI crew parks. Cars belong to Tom Sawyer Camp staff who have access to the gate. NI locked gate to prevent public mistaking area for public parking. Crew is pulling mostly poison hemlock in pockets of non-natives among mulefat in DG-4 and DG-4-WOUS.

0930 Two crew members stung by hornets, gave antiseptic and sting relief wipes and ointment.

1015 Crew member found rattlesnake under willow already moving away. Snake coiled under a mulefat, monitor flagged off area and Daniel moved nearby vegetation piles. The dumpster for cleared vegetation is full, so crew has been piling vegetation to be carried out later. The plan is for weeding to stop early and spend the last 2 hours hauling tarped vegetation out of the mitigation areas.

1200 crew moved to DG-4B to pull weeds missed last time while waiting for new dumpster.

1350 Daniel told crew to stop pulling and to combine vegetation piles and check irrigation lines.

Additional Comments

N/A

Signature





One of several areas being weeded, facing NE.jpg
-118.17376 34.19186



Full dumpster and piled tarps.jpg
-118.17546 34.19235

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 26, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	13:15	80 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13, plus foreman Daniel hand-pulling and hauling vegetation to the dumpster in DG-4 and DG-4-WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Spotted towhee, California scrub jay, house wren, northern rough-winged swallow

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Observed two crews, one hauling vegetation piles from past two days to empty dumpster and the other pulling mostly perennial pepperweed in DG-4 along southern boundary of DG-W-2.

1000 Accompanied Daniel and 1 crew member into LBVI-1 buffer to check irrigation lines. The rest of the crew stopped weeding and is hauling weeds. The dumpster is already almost full.

1215 Crew finished hauling out all pulled vegetation and switched to checking and securing microlines.

1300 Monitor felt comfortable leaving while crew planned to check microlines in areas cleared in the last two weeks and straighten larger irrigation lines along roads.

Additional Comments

N/A

Signature





Trail after weeding and clearing vegetation piles, facing W.jpg
-118.17402 34.19211



Before weeding in DG-4, facing SW.jpg
-118.17448 34.19249



Progress of area when weeding paused for the day, facing SW.jpg
-118.17447 34.19252

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: Jun 29, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:50	73 °F	0-3 MPH	95 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10, plus foreman Daniel hand-weeding in northern-most pocket of DG-4A and nearby edge of DG-4 where SOSP-7 buffer was removed. Crew relocated to south end DG-4 areas due to coyote den.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Yellow warbler, house wren, bushtits, house finch, California scrub jay, common yellowthroat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 Gate at west side entrance appears to have been forced open from the outside, bending the cross bar. Locks are intact. Notified County.

0715 Re-checked SOSP-7 to confirm nest was inactive and removed buffer.

0805 While walking the hill on the east boundary of DG-4A, I saw an animal scamper down a berm. When i stepped closer to see what it was, a coyote started barking and howling. A crew member reported previously that something had moved back into the nearby den as the irrigation line had been chewed. Daniel pulled crew out of the area.

Coyote still howling at 0825.

0845 Crew now in south end, hand-pulling mostly poison hemlock in DG-4A.

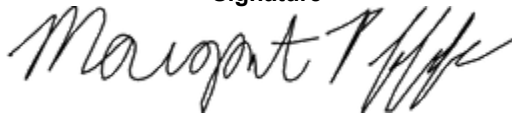
0850 Two crew members mistakenly walked down the left trail instead of right and came upon a car stuck in the reservoir. City, County, and police notified. I waited until ECORP monitor could get to the area to observe tow truck. Had crew stop work until I could rejoin them at 1100.

1135 Located YEWA-1, discovered by member of the public near where crew was working. Established 150ft buffer and had crew moved vegetation piles out of buffer. Will continue to monitor pair for signs of distress.

Additional Comments

N/A

Signature





Weeding before DG-4A facing SE.jpg
-118.17277 34.19369



Weeding in progress in DG-4A, facing E.jpg
-118.17725 34.18992



Third area started, outside YEWA-1buffer, facing NE.jpg
-118.17718 34.18985



After weeding.jpg
-118.17713 34.18984

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: Jun 30, 2020

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	100 %
End of Day	15:00	77 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 including foreman Daniel Holmes hand-pulling in DG-4 and DG-4A south of LBVI buffer. About ten small trees of heaven cut with axe but many larger trees still on-site and within nest buffer.

Did you observe any special-status species? Yes No

Yellow warbler

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YEWA, SOSP, BUSH, COYE, CASJ, HUVI, OATI, BHGR, SPTO, ANHU, ALHU, HOOR, ACWO, western fence lizard, coastal whiptail, BLPH, NRWS, HOFI, BEWR, CAKI, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630 monitoring crews at first location N of new YEWA buffer: hemlock, pepperweed, radish mixed among native primrose in openings around willows, oaks, mulefat.

0745 started seeing COYE pair bringing food to weedy location about 60 feet N of current work but birds are not concerned. Attempted to locate nest but risk damage too great. Entered as 60 ft buffer into Collector, crews diverted toward road.

1000 crews move to area N of this buffer and SW of LBVI buffer. This area is grassy with Rumex, Carduus, some Conium, etc. Some of crew had to do some additional cleanup at first site in afternoon. Dumpster pickup late again so some stockpiles were left on-site.

Additional Comments

N/A

Signature





During_hand-pulling_facingW.jpg
-118.17694 34.19007



After_hand-pulling_facingW.jpg
-118.17691 34.19006



Before_hand-pulling_facingNE.jpg
-118.1771 34.19031



Nearly_done_hand-pulling_facingNE.jpg
-118.17706 34.19034