

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

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May 6, 2021

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1.0 INTRODUCTION

1.1 Purpose

This Quarterly Compliance Report was prepared to document the activities that occurred at the Devil's Gate Reservoir Restoration Project (Project) site located in the City of Pasadena, Los Angeles County, California during the first quarter of 2021 (January through March). This Quarterly Compliance Report satisfies Condition 6.7 in the Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the Project from the California Department of Fish and Wildlife (CDFW), dated July 16, 2018.

Condition 6.7 in the ITP states:

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

This is the tenth report (Quarterly Compliance Report Number 10) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between January 1 and March 31, 2021.

2.0 COVERED ACTIVITIES

2.1 Preconstruction Surveys

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

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

Preconstruction surveys for least Bell's vireo started 30 days prior to the anticipated start of ground-disturbing construction activities to prepare the site for sediment removal, which was scheduled to occur on March 31, 2021. Surveys continued weekly through the end of the first quarter reporting period as the start of ground-disturbing construction activities was delayed into April. A total of five focused least Bell's vireo preconstruction surveys were conducted during the first quarter of 2021. Table 1 shows the

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

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

No least Bell's vireos were observed or detected during the preconstruction surveys in the first quarter of 2021. The preconstruction least Bell's vireo surveys continued into the second quarter of 2021, and three surveys occurred during the week prior to the initiation of construction activities (with the final survey occurring 24 hours before). The preconstruction least Bell's vireo survey report will be included in the subsequent second quarter 2021 compliance report.

Preconstruction surveys for nesting birds were initiated on March 1, 2021 in accordance with the Nesting Bird Management Plan prepared for the Project. All conditions in the Nesting Bird Management Plan were adhered to during the first quarter of 2021 and active bird nests on the Project site were protected by no-work buffers enforced by Designated Biologists daily.

2.2 Biological Monitoring

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

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

Daily biological monitoring of restoration activities occurred whenever vegetation removal and/or plantings took place. Nesting bird season began towards the end of this reporting quarter and Designated Biologists began identifying active bird nests on the Project site and implementing appropriate no-work buffers around said nests. Table 2 shows Project working dates and the biological monitors that were present on each date.

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Table 2. Monitors Onsite During Work Days.

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

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

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

2.3 Project Activities

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

2.4 Habitat Restoration Activities

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

- Restoration activities continued from January 4, 2021 through March 31, 2021.
- Low-growing non-native plants including perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), shortpod mustard (*Hirschfeldia incana*), horehound (*Marrubium vulgare*), curly dock (*Rumex crispus*), passion vine (*Passiflora* sp.), small nettle (*Urtica urens*), lamb's quarters (*Chenopodium album*), tumble mustard (*Sisymbrium* sp.), shepard's purse (*Capsella bursa-pastoris*), burclover (*Medicago* sp.), henbit (*Lamium* sp.), starwort (*Stellaria* sp.), Mediterranean grass (*Schismus barbatus*), poison hemlock (*Conium maculatum*), ripgut brome (*Bromus diandrus*), cheatgrass (*Bromus tectorum*), red stemmed filaree (*Erodium cicutarium*), common barley (*Hordeum vulgare*), and wild oat (*Avena fatua*) were removed from the DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-2, DG-2A, DG-2B, DG-2 New Channels, DG-2-WOUS, DG-4, DG-4 Sheetflow, DG-4 Drainage, DG-4A, DG-4B, DG-4C, DG-SF-1, and DG-5 onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Small eucalyptus trees (*Eucalyptus* sp.), regrowth of eucalyptus tree stumps, and queen palm trees (*Syagrus romanzoffiana*) were removed using chainsaws. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- A weed steamer machine (Weedtechnics SW900) was used in DG-4 to target nonnative plants including perennial pepperweed, poison hemlock, and black mustard in lieu of permission to apply herbicide. The weed steamer machine uses a hose with a nozzle or a hood to target only the nonnative species. The hot water vapor from the steamer machine shocks the target plant species causing dieback in the plant.

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

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

3.0 SATISFACTION OF ITP CONDITIONS

All provisions in the ITP were adhered to during Project activities conducted during this reporting period. No non-compliances were documented during this reported period. No direct or indirect take to listed species or Covered Species occurred during this reporting period. The next Quarterly Compliance Report will cover the next reporting period from April 1, 2021 to June 30, 2021.

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

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

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

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

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<p>three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.</p> <p>If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.</p>							no-work buffers were established. Designated Biologists monitored restoration activities daily during the nesting season during the first quarter 2021 reporting period. The implementation of this measure will be completed during the second quarter 2021 reporting period and will be discussed in the subsequent quarterly report (Quarter 2 2021).
<p>MM BIO – 5: Within 30 days prior to commencement of vegetation or structure removal activities, a preconstruction bat survey shall be conducted by a qualified biologist for the presence of any roosting bats. Acoustic recognition technology shall be used if feasible and appropriate. If either a bat maternity roost or hibernacula (structures used by bats for hibernation) are present, a qualified biologist will develop and implement appropriate protection measures for that maternity roost or hibernacula. These protection measures shall include, as appropriate: safely evicting non-breeding bat hibernacula, establishment of avoidance buffers, or replacement of roosts at a suitable location. These measures shall also include as appropriate:</p> <ul style="list-style-type: none"> To the extent feasible, trees that have been identified as roosting sites shall be removed or relocated between October 1 and February 28. When trees must be removed during the maternity roost season (March 1 to September 30), a qualified bat specialist shall conduct a preconstruction survey to identify those trees proposed for disturbance that could provide hibernacula or nursery colony roosting habitat for bats. Trees identified as potentially supporting an active nursery roost shall be inspected by a qualified biologist no greater than seven days prior to tree disturbance to determine presence or absence of roosting bats. Trees determined to support active maternity roosts will be left in place until the end of the maternity season (September 30). If bats are not detected in a tree, but the qualified biologist determined that roosting bats may still be present, trees shall be removed as follows: <ul style="list-style-type: none"> Pushing the tree down with heavy machinery instead of felling the tree with a chainsaw. First pushing the tree lightly two to three times with a pause of 30 seconds in between each nudge to allow bats to become active, and then pushing the tree to the ground slowly. Allowing the tree to remain in place for 24 to 48 hours until inspected by the qualified biologist for presence or absence of roosting bats. <p>The qualified biologist shall document all bat survey, monitoring, and protection measure activities and prepare a summary report for LACFCD.</p>	<p>Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/06/2018 – 11/08/2018</p>	<p>Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2021 first quarter reporting period.</p>
<p>MM BIO – 6: Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub. Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Prepare Habitat Restoration Plan Identify/Map Mitigation Sites Install Plant Materials Monitor Installation 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Identify Reference Sites Conduct Qualitative and Quantitative Monitoring Conduct Maintenance Implement Adaptive Management Measures, if 	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/19/18 - ongoing</p>	<p>Restoration activities were continued during the 2021 first quarter reporting period.</p>

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

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<p>be enhanced or restored using aerial photographs. Priority for mitigation site locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed.</p> <ul style="list-style-type: none"> Select offsite reference sites where Riversidean Alluvial Fan Sage Scrub is the established plant community. The reference sites will be used to establish the necessary performance standards to which the mitigation site will be measured. Performance standard parameters will include percent cover of native plant species, percent cover of nonnative and invasive plant species, and native plant species richness (number of different plant species). Prepare and implement a site-specific Habitat Restoration Plan that will result in the successful restoration and enhancement at the selected mitigation sites. The Habitat Restoration Plan, at a minimum, shall include guidelines and specifications for the following: <ul style="list-style-type: none"> Site-specific container plant (if applicable) and seed palettes, Irrigation plan, Nonnative and invasive plant species removal, Maintenance and monitoring schedule, Qualitative and quantitative monitoring methodologies, Selection criteria of reference sites, Performance standards of the mitigation sites, Monitoring reports and annual reports schedule, Mitigation long-term management plan, and Funding description for implementation and long-term management. Prepare an as-built plan after the installation of the plant and seed materials has been completed to document the acreage of each restored or enhanced plant community on the mitigation sites and to show that not less than a 1:1 replacement of sensitive habitats has been achieved. Quantitatively monitor the mitigation sites until the performance standards have been met and restoration and enhancement of not less than 1:1 replacement of Riversidean Alluvial Fan Sage Scrub has been achieved. <p>Implement adaptive management measures if, during monitoring, the mitigation sites do not demonstrate measurable progress toward achieving the necessary performance standards or if unforeseen circumstances damage the mitigation sites. Adaptive management measures will include but not be limited to:</p> <ul style="list-style-type: none"> Correctively re-grade areas if hydrologic or other conditions negatively affect the mitigation sites, Add soil amendments if problem soils may be inhibiting plant growth, Replant if plant survival is low or to increase plant species cover or diversity, Install different plant species for plant species that are not surviving, and Close trails or install barriers if human-caused impacts are damaging the mitigation sites. <ul style="list-style-type: none"> Implement and monitor the required mitigation at alternative sites, chosen based on same priority methodology, if the mitigation sites do not achieve the performance standards after the implementation of adaptive management measures. LACFCD shall conduct qualitative and annual quantitative monitoring and prepare annual monitoring reports until the established performance standards are achieved. Ensure the allocation and encumbrance of the funding necessary to implement the Habitat Restoration Plan, adaptive management measures, alternative mitigation sites (if necessary), and long-term management and protection of the mitigation sites. 	<ul style="list-style-type: none"> Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<p>Necessary</p> <ul style="list-style-type: none"> Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign- Off 					
<p>MM BIO – 7: Within 90 days prior to ground-disturbing activities, a qualified biologist shall conduct a tree survey within the project footprint to identify native city- protected trees that would be removed or potentially affected by the Proposed Project, native city-protected trees that can be avoided, and native city-protected trees that will require root zone protection. LACFCD would replace native city-protected trees that cannot be avoided. The replacement is expected to be at a 1:1 ratio by canopy acreage. The biological</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> Conduct Tree Survey 	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> Identify Reference Sites 	Los Angeles County Flood Control District	Less than significant		10/02/2018 – 10/05/2018	Preconstruction tree surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this

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					Initial	Date	Remarks
<p>monitor shall implement measures to protect the root zone of oak trees that may be impacted immediately adjacent to the project site and along access roads. The acreage occupied by the canopies of the native city-protected trees to be removed will determine the appropriate level of tree replacement. LACFCD shall identify tree replacement areas that are no less than the acreage of the native city-protected tree canopies to be removed. Priority for tree replacement locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed. The number of replacement trees installed by LACFCD will be greater than the number of trees to be removed should the replacement tree be smaller and younger than the tree to be removed. LACFCD shall monitor the survival of the replacement trees for five years and replace those that do not survive within the monitoring period, ensuring that not less than 1:1 ratio of replacement, or no net loss, has been achieved.</p>	<ul style="list-style-type: none"> Identify and Protect Oak Tree Root Zones Identify/Map Mitigation Sites Prepare Habitat Restoration Plan Install Plant Materials Monitor Installation Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<ul style="list-style-type: none"> Conduct Qualitative and Quantitative Monitoring Conduct Maintenance Implement Adaptive Management Measures, if Necessary Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign-Off 					<p>measure were required during the 2021 first quarter reporting period. Restoration activities were continued during the 2021 first quarter reporting period.</p>
<p>MM BIO – 8: A combination of onsite and offsite habitat restoration, enhancement, and exotic plant removal shall be implemented by LACFCD at a 1:1 ratio for impacted riparian habitat, sensitive natural communities, and jurisdictional waters. Habitat restoration/enhancement shall include use of willow cuttings and exotic plant species removal. Non-native, weedy habitats within the basin shall be utilized whenever possible as mitigation sites. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of riparian habitat, sensitive natural communities, and jurisdictional waters. Measures to achieve not less than a 1:1 replacement, or no net loss, of riparian habitat, sensitive natural communities, and jurisdictional waters shall include but not be limited to the following:</p> <ul style="list-style-type: none"> Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreages of riparian habitat (Riparian Woodland and Mule Fat Thickets), sensitive natural communities (Coastal Sage Scrub), and jurisdictional waters (federally protected wetlands). Identify and map the selected mitigation areas where riparian habitat, sensitive natural communities, and federally protected wetlands will be enhanced or restored. Priority for mitigation site locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed. Select offsite reference sites where riparian habitats (Riparian Woodland and Mule Fat Thickets) and sensitive natural communities (coastal sage scrub) are the established plant communities and where federally protected wetlands are present. The reference sites will be used to establish the necessary performance standards to which the mitigation site will be measured. Performance standard parameters will include percent cover of native plant species, percent cover of nonnative and invasive plant species, native plant species richness (number of different plant species), structural patch richness, and wildlife use. Prepare and implement a site-specific Habitat Restoration Plan that will result in the successful restoration and enhancement at the selected mitigation sites. The Habitat Restoration Plan, at a minimum, shall include guidelines and specifications for the following: <ul style="list-style-type: none"> Site-specific container plant and seed palettes, Irrigation plan, Nonnative and invasive plant species removal, Maintenance and monitoring schedule, Qualitative and quantitative monitoring methodologies, Selection criteria of reference sites, Performance standards of the mitigation sites, Monitoring reports and annual reports schedule, Mitigation long-term management plan, and Funding description for implementation and long-term management. Prepare an as-built plan after the installation of the plant and seed materials has been completed to document the acreage of each restored or enhanced plant community on the mitigation sites to show 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Prepare Habitat Restoration Plan Identify/Map Mitigation Sites Install Plant Materials Monitor Installation Install Irrigation, if Necessary Prepare As-Built Report Conduct Maintenance Prepare Monitoring Reports 	<p>Reservoir Management</p> <ul style="list-style-type: none"> Identify Reference Sites Conduct Qualitative and Quantitative Monitoring Conduct Maintenance Implement Adaptive Management Measures, if Necessary Prepare Monitoring Reports Prepare Annual Reports Achieve Mitigation Site Sign- Off 	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	<p>Restoration activities were continued during the 2021 first quarter reporting period.</p>

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

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

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

LIST OF APPENDICES

Appendix A – Habitat Restoration Monitoring Logs

Habitat Restoration Monitoring Logs

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

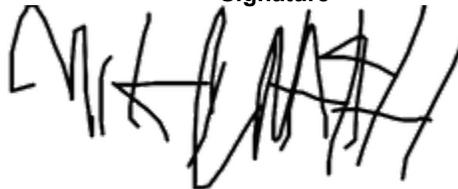
0845: Margie headed home for the day, continued monitoring irrigation work.

1400: inspected site and took photos.

Additional Comments

N/A

Signature





photo_1-new_irrigation_path_facingE.jpg
-118.17102 34.19184



photo_2-washout_facingE.jpg
-118.17383 34.1872



photo_3-washout_facingW.jpg
-118.17344 34.1869

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

1330: monitored vegetation clearing in DG-2.

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

Additional Comments

N/A

Signature





photo_1-line_maintenance_facingW.jpg
-118.17166 34.192



photo_2-DG-W-1_spraypaint_dots_facingE.jpg
-118.17164 34.19203



photo_3-crew_digging_trench_facingN.jpg
-118.17118 34.19177



photo_4-DG-W-1_spraypainting_dots_facingN.jpg
-118.17156 34.19212

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

1410: inspected the site and took photos.

Additional Comments

N/A

Signature





photo_1-DG-2_before_pulling_facingS.jpg
-118.17183 34.19039



photo_2-DG-2_after_pulling_facingS.jpg
-118.17183 34.19041



photo_3-irrigation_setup_facingN.jpg
-118.17191 34.19175



photo_4-spraypaint_guide_dots_facingNE.jpg
-118.17195 34.19184

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 4 digging trenches, laying irrigation lines, hand pulling poison hemlock, and spray painting dots to be used as guides for plants in DG-W-1 and DG-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

0915: monitored vegetation clearing in DG-2.

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

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

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

Additional Comments

N/A

Signature





photo_1-DG-2_before_pulling_facingN.jpg
-118.17181 34.19043



photo_2-DG-2_after_pulling_facingN.jpg
-118.17178 34.1912



photo_3-guide_dots_facingS.jpg
-118.17147 34.19084

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1400 crew stopped pulling and began tarping vegetation.

Additional Comments

N/A

Signature





Thatch removal_DG-2 new channels_facing S.jpg
-118.17195 34.1909



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



Clearing dead weeds_DG-2_facing W.jpg
-118.17211 34.19135



After_tarpping cut vegetation.jpg
-118.17212 34.19145

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: gave weep training to a new crew member.

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

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

1030: both crews moved to DG-2.

1320: Margie left for the day.

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

Additional Comments

N/A

Signature





photo_1-DG-2_vegetation_clearing_before_facingSW.jpg
-118.17223 34.1903



photo_2-DG-2_vegetation_clearing_after_facingSW.jpg
-118.17224 34.19028



photo_3-crew_laying_irrigation_facingS.jpg
-118.1716 34.19055

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (4) laying irrigation in DG-W-1, DG-2, and DG-2 new channels.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, CALT, ANHU, CASJ, LEGO, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

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

Walsh will remain nearby monitoring weed removal.

Additional Comments

N/A

Signature





Laying irrigation_DG-W-1_facing W.jpg
-118.17211 34.19127



Irrigation install in progress_DG-2_facing SW.jpg
-118.17141 34.19075

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

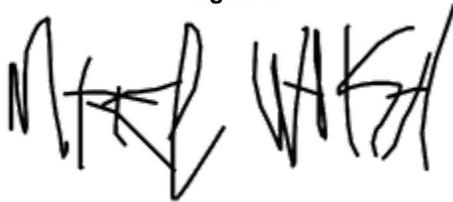
1200: got Charlie from the other crew to come help me with spraying guide dots.

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

Additional Comments

N/A

Signature





photo_1-plant_holes_facingW.jpg
-118.17127 34.19192



photo_2-plant_holes_facingS.jpg
-118.17124 34.19189



photo_3-hole_closeup_facingW.jpg
-118.17112 34.19164



photo_4-guide_dots_facingNW.jpg
-118.17201 34.19123

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





vegetation clearing_before_facing W.jpg



Palm chopping_johnson field_after.jpg



Vegetation clearing_after_facingSW.jpg

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0730: Moved to monitoring vegetation clearing crew only.

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

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

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

1355: relocated another western fence lizard.

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

Additional Comments

N/A

Signature





photo_1-DG-2_before__pulling_facingS.jpg
-118.17146 34.19074



photo_2-DG-2_after__pulling_facingS.jpg
-118.17145 34.19074



photo_3-DG-2_before__pulling_facingS.jpg
-118.17211 34.19022



photo_4-DG-2_after__pulling_facingS.jpg
-118.17211 34.19021

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (5, plus foreman Raoul) digging holes for planting and accepted plant delivery in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

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

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

1230 Monitor watered container plants. Crew stopped at 1510.

Additional Comments

N/A

Signature





Digging holes_DG-W-1_facing NW.jpg
-118.17169 34.19154



TOL delivery.jpg
-118.17155 34.19078



All plants delivered.jpg
-118.1713 34.19086

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 working on planting in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

Additional Comments

N/A

Signature





photo_1-crew_placing_plants_facingSE.jpg
-118.1701 34.19225



photo_2-new_plants_facingN.jpg
-118.17123 34.19133



photo_3-micro_lines_facingW.jpg
-118.17113 34.19153



photo_4-sambucus_newly_planted_facingS.jpg
-118.17116 34.19106

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

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

Signature




Vegetation clearing_area_facingS.jpg

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (7, including foreman Raoul) planting in DG-W-1

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1500 planting crew finished planting and installing irrigation emitters.

Additional Comments

N/A

Signature





Planting along slope_facing N.jpg
-118.17136 34.19079



Planting after_facing SW.jpg
-118.17164 34.19214



Planting after_facing E.jpg
-118.17164 34.19216

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation_clearing_during_facingSW.jpg
-118.17203 34.19014



Vegetation_clearing_during_facingN.jpg
-118.17204 34.19



Vegetation_clearing_during_facingW.jpg
-118.17207 34.18999



Vegetation_removal_after_facingW.jpg
-118.17222 34.1903

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8 hand pulling poison hemlock and laying irrigation in DG-2, DG-2 WOUS, DG-2 new channels, and fixing irrigation leaks in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0700: gave weep training to 2 new employees.

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

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

1330: relocated a San Diego alligator lizard.

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

Additional Comments

N/A

Signature





photo_1-DG-2_before_handpulling_facingSW.jpg
-118.17246 34.18984



photo_2-DG-2_after_handpulling_facingSW.jpg
-118.17257 34.19004



photo_3-gopher_snake_relocation_after_facingW.jpg



photo_4-Crew_laying_irrigation_facingS.jpg
-118.17214 34.19035

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (8 including foreman Raoul) digging holes and planting in DG-W-1

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

Additional Comments

N/A

Signature





Digging holes and planting_DG-W-1_facing NE.jpg
-118.17166 34.19082



Planting midday_facing S.jpg
-118.17113 34.19188



Planting after.jpg
-118.17111 34.19191

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 digging holes and planting new plants in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0645: gave weep training to a new crew member.

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

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

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

Additional Comments

N/A

Signature





photo_1-newly_planted_rose_facingSW.jpg
-118.17168 34.19202



photo_2-newly_planted_area_facingS.jpg
-118.17167 34.19201



photo_3-dust_from_windstorm_facingS.jpg
-118.17192 34.19086



photo_4-irrigation_repair_facingW.jpg
-118.1719 34.19026

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

9-person Natures Image crew + 1 Stillwater bio hand pulling vegetation in DG-2 south of Johnson field.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT ANHU CATH RCPA OATI WCSP CASJ NUWO AMCR NOFL RNDU MALL CORA AMCR SPTO BUSH CANG
BEWR RTHA SOSP ALHU BTPI EUST CEDW LEGO CAKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation clearing_before_facing S.jpg



Vegetation clearing_after_facingSE.jpg

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 4 planting and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

Additional Comments

N/A

Signature

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



photo_1-Western_toad_relocation_facingE.jpg
-118.17184 34.19214



photo_2-crew_planting_facingS.jpg
-118.17165 34.19214

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

11-person Natures Image/LF crew + 1 Stillwater bio hand pulling and weed whacking in DG-2 south of Johnson field.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT WCSP BEWR RNDU MALL CANG ALHU ANHU HOFI CASJ RTHA SOSP NOFL NUWO CATH LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature



Vegetation clearing_before_facingE _1.jpg



Vegetation clearing_before_facingE_2.jpg



Vegetation clearing_after_facingW_1.jpg

-118.17239 34.18949



Vegetation clearing_after_facingSW_2.jpg

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

4-person LF crew hand pulling hemlock, 5-person Natures Image crew planting in Johnson field, 1 Stillwater bio.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation clearing_ before_ facingS.jpg



Vegetation clearing_ after_ facingS.jpg

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5-person LF crew handpulling hemlock and raking understory, 7-person Natures Image crew digging planting holes in Johnson field using auger and shovels, 1 Stillwater bio.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Bottas pocket gopher.jpg



Vegetation clearing before facing S.jpg



Vegetation clearing after facing S.jpg
-118.17223 34.19028

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 6 digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

1200: photographed the Altadena drain.

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

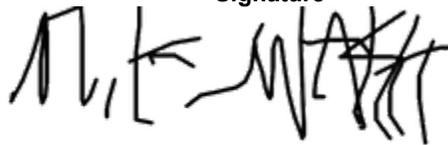
1425: crew waited in their cars for the storm to lighten up.

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

Additional Comments

N/A

Signature





photo_1-digging_with_auger_facingS.jpg
-118.1719 34.19143



photo_2-crew_digging_facingN.jpg
-118.1719 34.19101

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

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

Signature





photo_1-vegetation clearing.jpg
-118.1722 34.19018



photo_2-vegetation work.jpg
-118.17208 34.18978



Vegetation_clearing_after_facingN.jpg
-118.17214 34.18975

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 5 planting and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored digging in DG-W-1.

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

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

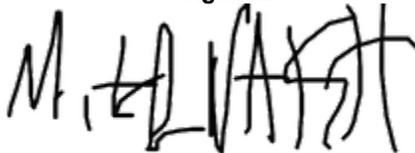
1215: observed a pair of red tail hawks mating ~50ft offsite just west of Johnson field.

1510: crew wrapped up and left the site.

Additional Comments

N/A

Signature





photo_1-newly_planted_elderberry_facingS.jpg
-118.17186 34.19132



photo_2-planting_efforts_facingN.jpg
-118.17187 34.19121

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

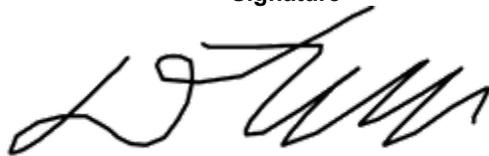
Log Entry

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

Additional Comments

N/A

Signature



Vegetation clearing_before_facingW.jpg



Vegetation clearing_after_facingNW.jpg
-118.17242 34.18927

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 6 planting and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

Additional Comments

N/A

Signature





photo_1-excavator_use_facingE.jpg
-118.17173 34.19131



photo_2-planting_efforts_facingW.jpg
-118.17173 34.19131

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation clearing_before_facingS.jpg
-118.17245 34.18944



Vegetation clearing_before_facingS.jpg
-118.17241 34.1895

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 6 digging holes and planting in DG-W-1 and performing irrigation maintenance in DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

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

1445: crew began wrapping while I inspected the site.

Additional Comments

N/A

Signature





photo_1-planting_progress_facingN.jpg
-118.17196 34.19154



photo_2-digging_progress_facingE.jpg
-118.17179 34.19136



photo_3-excavator_use_facingN.jpg
-118.17175 34.19096

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

4-person Labor Finders crew understory clearing in DG-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation clearing_before_facingW-1.jpg
-118.17221 34.19025



Vegetation clearing_before_facingW-2.jpg
-118.17223 34.1902



Vegetation clearing_after_facingSW-1.jpg
-118.17224 34.19031



Vegetation clearing_after_facingW-2.jpg
-118.17193 34.19022

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

Additional Comments

N/A

Signature





photo_1-DG-2_before_pulling_horehound_facingN.jpg
-118.17232 34.18926



photo_2-DG-2_after_pulling_horehound_facingN.jpg
-118.17233 34.18926



photo_3-DG-2_before_pulling_hemlock_facingSE.jpg
-118.17192 34.19074



photo_4-DG-2_after_pulling_hemlock_facingSE.jpg
-118.17196 34.19088

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (8) planting and augering holes in DG-W-1

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1500 crew stopped planting and cleaned up equipment and trash.

Additional Comments

N/A

Signature





Planting_facing S.jpg
-118.1717 34.19215



Continued planting_facing NE.jpg
-118.17199 34.19119

MP

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8 planting and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

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

Additional Comments

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

Signature





photo_1-planting_progress_facingE.jpg
-118.17198 34.19119



photo_2-digging_progress_facingW.jpg
-118.17199 34.19117



photo_3-GOEA_perch_location_facingS.jpg
-118.17197 34.19116

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

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

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630-0700: Relocated to west side meeting area.

0700: Received WEEP and project orientation from Margie Pfeffer.

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

1500: End of Day

Additional Comments

N/A

Signature





Vegetation_weeding_mid-morning_facingNW.jpg
-118.17683 34.18626



Vegetation_weeding_pepperweed_facingNW.jpg
-118.17708 34.18672



Vegetation_weeding_after_facingNW.jpg
-118.17686 34.18626

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 planting, laying microlines and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1400: a few crew members switched to microline maintenance.

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

1500: crew wrapped up for the day.

Additional Comments

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

Signature





photo_1-planting_and_digging_facingN.jpg
-118.17153 34.19145



photo_2-microline_maintenance_facingS.jpg
-118.17159 34.19089



photo_3-PEFA_perching_facingE.jpg
-118.17284 34.18881

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

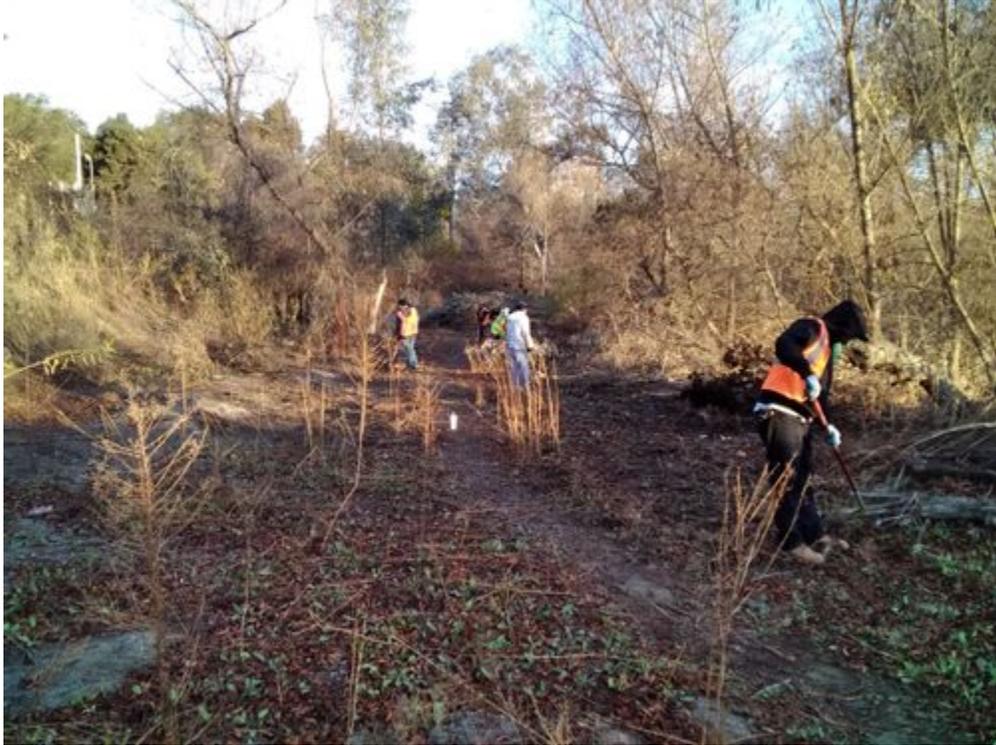
645 monitored weeding of perennial pepperweed, curly dock, and poison hemlock at southern end of DG-4. 1515 end of day.

Additional Comments

N/A

Signature

D. W.



weeding_start_of_day_facingNW.jpg
-118.17697 34.18651



weeding_afternoon_facingN.jpg
-118.17726 34.18696

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 laying irrigation, planting and digging holes in DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1500: crew wrapped up for the day

Additional Comments

N/A

Signature





photo_1-planting_progress_facingSE.jpg
-118.17207 34.19198



photo_2-planting_progress_facingSW.jpg
-118.17083 34.19172



photo_3-crew_laying_irrigation_facingE.jpg
-118.17113 34.19171

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingE.jpg
-118.17735 34.18883



Vegetation_clearing_after_facingE.jpg
-118.17739 34.18877



Vegetation_clearing_area2_during_facingNW.jpg
-118.17662 34.18941



Vegetation_clearing_after_area2_facingE.jpg
-118.17682 34.18962

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

4-person Natures Image crew vegetation clearing <5 inch pepperweed in DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingNW.jpg
-118.177 34.18961



Vegetation_clearing_after_facingE.jpg
-118.17726 34.1899

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Planting_hole-dig_during_facingS.jpg
-118.1712 34.19203



Planting_drill_holes_during_facingSW.jpg
-118.17072 34.19176



Planting_hole_dig_during_facingS.jpg
-118.1714 34.19216

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





photo_1-DG-4A_before_pulling_facingNW.jpg
-118.17668 34.19038



photo_2-DG-4A_after_pulling_facingNW.jpg
-118.17667 34.19037



photo_3-DG-4A_before_pulling_facingSW.jpg
-118.17658 34.19033



photo_4-DG-4A_after_pulling_facingSW.jpg
-118.17662 34.19035

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

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

Signature





Irrigation_maintenance_during_facingSW.jpg
-118.17151 34.1921



Planting_before_facingN.jpg
-118.17179 34.19128



Planting_digging_holes_during_facing E.jpg
-118.17219 34.19171

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 digging and planting in DG-W-1, DG-2, and DG-2 new channels.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

Additional Comments

N/A

Signature





photo_1-digging_efforts_facingE.jpg
-118.17195 34.19086



photo_planting_efforts_facingNE.jpg
-118.17199 34.19106

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Signature





Vegetation_removal_after_facingSW.jpg
-118.17712 34.18992



Vegetation_removal_during_facingN.jpg
-118.17694 34.19041



Vegetation_clearing_during_facingSW.jpg
-118.17669 34.19082



Vegetation_clearing_after_facingN.jpg
-118.17696 34.19041

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8 laying irrigation, fixing collapsed plant holes, digging holes and fusing pipes in DG-W-1/DG-2, DG-2 new channels, also doing irrigation repairs in DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

Additional Comments

N/A

Signature





photo_1-collapsed_hole_before_fixing_facingW.jpg
-118.1717 34.19083



photo_2-collapsed_hole_after_fixing_facingW.jpg
-118.17169 34.19083



photo_3-crew_fusing_pipe_facingE.jpg
-118.17175 34.19082



photo_4-crew_laying_irrigation_DG-2_facingN.jpg
-118.17233 34.19055

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Evidence of cottontail herbivory on many of the planted plants.

Signature





Vegetation_clearing_during_facingN.jpg
-118.17693 34.19047



Vegetation_clearing_before_facingSE.jpg
-118.17533 34.19189



Vegetation_clearing_during_facingSE.jpg
-118.1755 34.19202

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 digging holes (by hand and with an excavator), fusing pipes, laying irrigation and helping organize/unload a plant delivery in DG-2, DG-2 new channels, and DG-W-1.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0660: monitored pipe fusion nearby in DG-2.

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

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

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

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

Additional Comments

N/A

Signature





photo_1-crew_fusing_pipe_facingW.jpg
-118.17202 34.19072



photo_2-excavator_use_DG-2_new_channels_facingS.jpg
-118.17201 34.19092



photo_3-plant_inventory_facingE.jpg
-118.17159 34.19081



photo_4-manual_digging_DG-2_new_channels_facingNW.jpg
-118.17204 34.19053

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5 person Labor Finders weeding crew clearing vegetation, short pepperweed and hemlock in DG-4 "Twin Boulders".

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

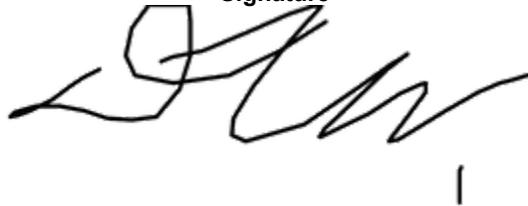
Log Entry

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

Additional Comments

N/A

Signature



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



Vegetation_clearing_before_facingS.jpg
-118.1751 34.19035



Vegetation_clearing_after_facingS.jpg
-118.1751 34.19034

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645-0805: Work delayed due to rain.

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

1440: Crew transitioned to irrigation pipe installation and maintenance.

Additional Comments

N/A

Signature





Planting_area_DG-2_during.jpg
-118.17193 34.1911



Planting_area_DG-2_after.jpg
-118.17196 34.19103

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 planting and digging in DG-2, DG-2 new channels, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Signature





photo_1-planting_efforts_DG-2_new_channels_facingN.jpg
-118.17233 34.1899



photo_2-planting_efforts_DG-2_facingN.jpg
-118.17223 34.19064



photo_3-digging_with_excavator_facingS.jpg
-118.17228 34.18995

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Signature





Vegetation_clearing_during_facingW.jpg
-118.17527 34.19004



Vegetation_clearing_after_facingS.jpg
-118.17506 34.19027



Vegetation_clearing_before_facingE.jpg
-118.17536 34.19127

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 digging and planting in DG-2, DG-2 new channels

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

1440: crew wrapped up digging.

Additional Comments

N/A

Signature





photo_1-planting_efforts_facingS.jpg
-118.172 34.19081



photo_2-planting_efforts_facingN.jpg
-118.1718 34.19035



photo_3-excavator_digging_progress_facingN.jpg
-118.17301 34.18838

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Signature





Vegetation_removal_during_facingSE.jpg
-118.17543 34.19036



Vegetation_clearing_during.jpg
-118.17533 34.19024

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 digging, planting, and helping load plants in DG-2, DG-2 new channels, and DG-W-1

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

0730: monitored use of an excavator to dig holes.

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

1130: resumed monitoring the planting and digging.

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

Additional Comments

N/A

Signature





photo_1-crew_placing_microlines_facingN.jpg
-118.17186 34.19016



photo_2-excavator_use_facingS.jpg
-118.17248 34.18924



photo_3-planting_progress_facingN.jpg
-118.17204 34.19076



photo_4-plant_delivery_facingE.jpg
-118.17203 34.19077

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5-person Labor Finders crew vegetation clearing in DG-4, south of Twin Boulders area.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

1445: Crew stopped vegetation clearing and picked up trash.

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingS.jpg
-118.17575 34.18989



ACWO_excavation.jpg



ACWO_excavation location.jpg



Vegetation_clearing_after_facingNE.jpg
-118.17573 34.19018

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Placing containers_DG-2 new channels.jpg
-118.17178 34.19035



Anti-herbivory cage.jpg
-118.17185 34.19097

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

5-person Labor Finders vegetation crew raking understory pepperweed/hemlock sprouts in DG-4 south of Twin Boulders.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Vegetation_clearing_before_facingW.jpg
-118.17544 34.19044



Vegetation_clearing_after_facingSW.jpg
-118.17539 34.1904

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 4 hand pulling perennial pepperweed and poison hemlock in DG-4, DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





photo_1-DG-4A_before_pulling_facingN.jpg
-118.17548 34.19053



photo_2-DG-4A_after_pulling_facingN.jpg
-118.17544 34.1905



photo_3-DG-4A_before_pulling_facingN.jpg
-118.1757 34.19037



photo_4-DG-4A_after_pulling_facingN.jpg
-118.17576 34.19039

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

N/A

Signature





Planting_after_facingN.jpg
-118.17208 34.19058



Planting_before_facingE.jpg
-118.17194 34.19058



Planting_during_facingE.jpg
-118.17194 34.19065

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 8 spraying guide dots, laying irrigation, planting and digging holes in DG-2, DG-2 new channels, and DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

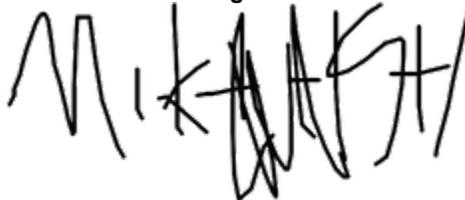
0910: resumed monitoring planting and digging. Sent a few crew members out to spray guide dots for the 8 foot channel bottom. Crew also began laying new irrigation in DG-2, DG-2 WOUS.

1345: crew wrapped up digging.

Additional Comments

N/A

Signature





photo_1-crew_laying_irrigation_facingS.jpg
-118.17216 34.18965



photo_2-planting_progress_facingN.jpg
-118.17207 34.19001



photo_3-planting_progress_facingNW.jpg
-118.17193 34.19047

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

Additional Comments

Signature





Vegetation_removal_before_facingSW.jpg
-118.175 34.19097

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

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

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

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

1437: crew stopped digging and I inspected the site.

Additional Comments

N/A

Signature





photo_1-planting_progress_facingS.jpg
-118.1717 34.19008



photo_2-planting_progress_facingNW.jpg
-118.17215 34.19133



photo_3-excavator_use_facingS.jpg
-118.17271 34.18897

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

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

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

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly in DG-4A scraping non-native sprouts (hemlock, mustard, and pepperweed) all day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The crew also needed redirection to avoid creating potholes. The biologist reiterated to the crew which plants to remove and which plants are native and not to remove and pin flagged a couple young woody natives with potential to be easily overlooked. After lunch, the crew was separated and part of the crew worked on pulling dead hemlock(seeds present) and tarping it. One BUSH nest was discovered and logged into Collector. The crew picked up their trash and the biologist completed report and left the site at 1445.

Additional Comments

More than once over the span of a month, a portion of the irrigation main line has been bitten into by an animal. It is reported to Daniel immediately and resolved.

Signature





Vegetation_removal_during_facingSE.jpg
-118.17507 34.19097



Vegetation_removal_after_facingNW.jpg
-118.17491 34.19069



Vegetation_clearing_after_facingE.jpg
-118.17527 34.19137

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	4-6 MPH	0 %
End of Day	14:30	70 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 planting and digging in DG-W-1, DG-2, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CALT, SPTO, SOSP, LEGO, AMRO, MODO, CATH, WCSP, NUWO, WEBL, PEFA, ACWO, HOFI, CORA, RSHA, RNDU, RTHA, CAQU, BEWR, OATI, BUSH, fox squirrel, NOFL, BLPH, AMCR, ANHU, California ground squirrel, TUVU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored planting of mulefat in DG-W-1. Peregrine falcon observed flying over Johnson field.

0920: performed a nesting bird survey in DG-2/DG-2 WOUS, monitored digging holes on the border of the low flow channels with an excavator.

1430: crew wrapped up digging while I inspected the site.

Additional Comments

Peregrine falcon observed flying over Johnson field, did not land on site. Continued flying north until I lost it in the mountains. Observation was at roughly 0830

Signature





photo_1-planting_progress_facingSW.jpg
-118.17092 34.19181



photo_2-planting_progress_facingN.jpg
-118.17155 34.19095



photo_3-excavator_digging_progress_facingS.jpg
-118.17273 34.1888

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: February 25, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	0-3 MPH	0 %
End of Day	14:50	70 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (5) hand-weeding in DG-4A, foreman Mario

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

COHA, RCKI, CASJ, LEGO, SPTO, WCSP, NUWO, YRWA, BEWR, MODO, CORA, ANHU, SOSP, BUSH, CATH, CALT, STJA, BLPH, NOFL, RTHA, HOFI, NRWS

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Daniel (foreman) got crew started removing young perennial pepperweed and mustards in DG-4, moving west towards planted area.

0800 Walked with new foreman Mario to show the site and different planted areas. Found two irrigation boxes with missing timers. Talked with Daniel about switching to manual controls.

1230 when crew returned from lunch, monitor noticed a dead willow with a broken trunk leaning against another tree. This snag is in an area where the crew will be working, so for safety the crew pushed it down. Monitor first cleared the area for nests and no other trees were damaged.

1400 bagpiper playing.

1450 crew stopped pulling.

Additional Comments

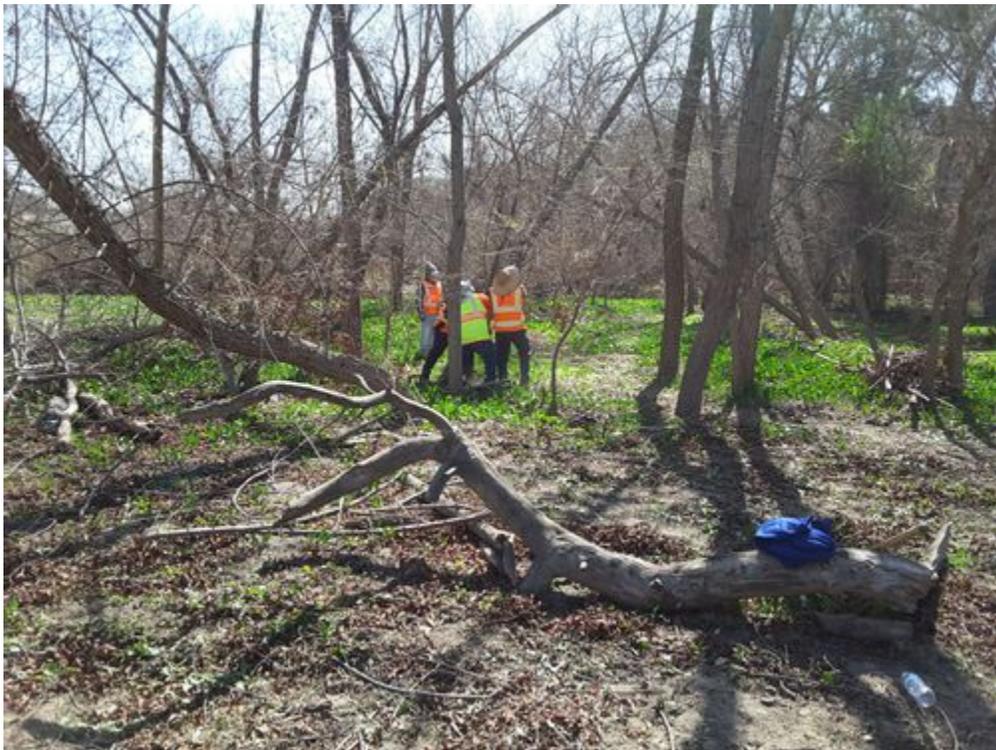
N/A

Signature





DG-4A facingW_before.jpg
-118.17714 34.18993



Knocking down a snag_DG-4A.jpg
-118.17681 34.18964



View of completed area.jpg
-118.17712 34.18986

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: February 26, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	14:15	73 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (8) planting in DG-W-1 and digging holes, planting, and laying irrigation in DG-2 and DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ACWO, CASJ, ANHU, LEGO, CATH, CALT, HOFI, RTHA, MODO, CAQU, NOFL, BEWR, WCSP, CORA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Crew continuing to plant mule fat in Johnson Field. The original delivery was short on this species so gaps were purposely left throughout the area. The foremen are continuing to prep the DG-2 areas by digging holes and laying irrigation.

0755 crew finished planting in Johnson Field and moved south to continue planting in DG-2 and DG-2 WOUS.

1300 crew stopped planting for the day while waiting for an essential irrigation part. Foreman continuing to use auger to dig holes along west edge of DG-2. Others are placing microline emitters and picking up trash throughout the site.

Monitor and foreman identified a eucalyptus (approx. 35 ft tall) that will be easily accessible for removal. Coordinating with lead ECORP monitor to schedule bat survey and oversight of removal.

Additional Comments

N/A

Signature





Filling in gaps with mule fat_DG-W-1_facingS.jpg
-118.1716 34.19213



Irrigation set up_DG-2 WOUS_facingN.jpg
-118.17235 34.1893



Augering holes_DG-2_facingS.jpg
-118.17263 34.19097

Devil's Gate Biological Monitoring Log
Biologist/Monitor: David Wappler
Date of Log: February 26, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	15:15	73 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 4 (Foreman Mario, Jesus, Jose and Daniel) weeding perennial pepperweed in DG-4 and DG-4A using hand tools.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Avian: coha 1, casj 2, stja 1, spto 3, wcsp 14, bewr 4, lego 3, sosp 4, nuwo 1, nofl 1, wbnv 2, auwa 2, rcki 1, hofi 8, bush 14, blph 3, amcr 2, cath 1, phai 1

Herps: side-blotched lizard 3, western fence lizard 4

Mammals: California ground squirrel 1

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Arrived at project site

0715 Monitored vegetation clearing

0845 Observed COHA nearby gathering nest material.

1200-30 Lunch

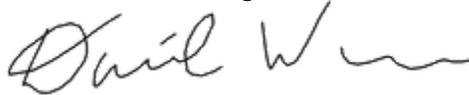
1230 Monitored vegetation clearing

1515 Departed project site

Additional Comments

All trash picked up in weeding area.

Signature





Pulling_pepperweed_facingW.jpg
-118.17666 34.1896



Pulling_pepperweed_facingNW_after.jpg
-118.17651 34.18958

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 1, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	15:15	73 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 (Daniel Holmes, foreman) doing planting/irrigation tasks on east side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RCPA, RTHA, CORA, HOFI, SPTO, NUWO, CALT, ANHU, ALHU, NOFL, LEGO, CASJ, SOSP, ACWO, BEWR, RCKI, YRWA, MODO, NRWS, COHA, AMCR, CATH, OATI, BLPH, California ground squirrel, western fence lizard, desert cottontail, RBSA, HUVI, side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 I met with the other Stillwater monitor, Mike, and weeding crew at Hahamongna Watershed Park and then followed Daniel Holmes to east side to monitor planting crew in DG-2, DG-2 WOUS. Some minor planting in DG-2 New Channels and DG-W-1 (Johnson Field) although these 2 areas are mostly complete. Most of the day was spent surveying for nesting birds. No nesting behaviors except for RTHA copulating in Eucalyptus at north end of Johnson Field. No sediment removal. Nesting habitat on this east side is not very well developed yet with the drought conditions. Most willows are barely leafing out. Mule fat foliage is relatively sparse. However, the few mature blue elderberries present are developing dense foliage. Understory herbaceous vegetative growth is negligible, with some poison hemlock patches up to 6 inches tall. Coast live oaks and associated perennial shrubs on adjacent slope hold most of the current potential for nesting. Bushtits were still observed to be flocking, with no nest construction observed. Hummingbirds (ALHU, ANHU) are present, but mostly males were observed. Perhaps some hummingbirds are nesting on the slope in the live oaks and eucalyptus since the mature willow cover/foliage is not yet developed. RTHA copulation observed at 1230 north of Johnson Field but no nest found. This was the only significant observation of these RTHA; one bird stayed and scanned for rodents. Restoration planting was uneventful, primarily occurring in the wide-open graded areas.

Additional Comments

N/A

Signature





photo_1_planting_DG-2_WOUS_facingN.jpg
-118.17296 34.1884



photo_2_planting_DG-2_and_DG-2_WOUS_facingE.jpg
-118.17245 34.18943



photo_3_auger_DG-2_facingNE.jpg
-118.17144 34.19056

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	4-6 MPH	0 %
End of Day	14:55	72 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 7 hand pulling perennial pepperweed, mustard, horehound in DG-4 near northwest parking lot.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WEBL, CATH, BGGN, CALT, CASJ, SPTO, SOSP, LEGO, CAQU, NOFL, MODO, BUSH, EUST, RTHA, HOFI, BLPH, WCSP, CAKI, ANHU, SATH, SAPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: gave weep training to a new crew member.

0715: monitored vegetation clearing in DG-4 near northwest parking lot. Work progressed north.

1435: crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-DG-4_hemlock_before_pulling_facingNE.jpg
-118.17227 34.19357



photo_2-DG-4_hemlock_after_pulling_facingNE.jpg
-118.17231 34.19361



photo_3-DG-4_pepperweed_before_pulling_facingN.jpg
-118.17234 34.19362



photo_4-DG-4_pepperweed_after_pulling_facingN.jpg
-118.17235 34.19364

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	0-3 MPH	10 %
End of Day	15:00	73 °F	4-6 MPH	35 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 laying microlines, planting and digging in DG-2, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, CASJ, SPTO, RTHA, WCSP, BEWR, CAQU, CALT, AMCR, RUHU, ALHU, LEGO, ANHU, WREN, OATI, MALL, BLPH, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a pre-activity nesting bird sweep in DG-2, DG-2 WOUS.

0655: monitored planting and digging in DG-2, DG-2 WOUS.

0930: identified areas where plants had been eaten by rodents, briefed crew members, began preparing cages for plants.

1300: crew began re-digging holes which had collapsed.

1430: monitored use of an excavator in DG-2 along the western edge of the east side.

1500: crew wrapped up for the day.

Additional Comments

N/A

Signature





photo_1-digging_progress_facingS.jpg
-118.17297 34.18835



photo_2-fixing_collapsed_holes_facingN.jpg
-118.17172 34.1903



photo_3-laying_microlines_facingS.jpg
-118.17181 34.19017



photo_4-newly_added_cages_facingS.jpg
-118.1723 34.19057

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: March 2, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	30 %
End of Day	15:00	73 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (7) removing non-native plants and repairing basins in planted area in north DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CAGO, NOFL, ANHU, HOFI, CAQU, SOSP, CASJ, CORA, LEGO, MODO, CATH, desert cottontail, CALT, WCSP, ACWO, OATI, ALHU, COHA, pocket gopher

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

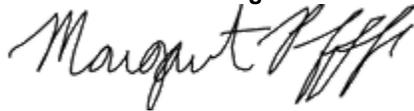
0645 Crew assembled in the north of DG-4 in large gravel area. Monitor cleared nearby planted area before allowing the crew to start. Crew is using hand tools to remove young poison hemlock and some pepperweed and mustards. Several Canada geese flying overhead. Monitor spent most of the day nest searching and watching for nesting behavior around the work area. Also made sure new foreman could differentiate between phacelia and poison hemlock seedlings to inform crew.

1130 spoke with Charlie from TetraTech regarding the new air quality station. He will coordinate with lead monitors from ECORP and Stillwater once location and access is decided. Vegetation was tarped and hauled to the dumpster. Crew continued pulling until 1500.

Additional Comments

N/A

Signature





Weeding in DG-4_facingN_before.jpg
-118.1721 34.19365



Work area_after.jpg
-118.17215 34.19354

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	4-6 MPH	50 %
End of Day	12:30	48 °F	10-12 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 seeding Johnson field (DG-W-1), and adding cages, fixing collapsed plants, and digging in DG-2, DG-2 new channels.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, CASJ, CALT, WCSP, SOSP, CORA, BEWR, HOFI, ALHU, CATH, desert cottontail, ANHU, RTHA, MODO, NOFL

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-W-1, DG-2, DG-2 new channels while the crew was readying equipment.

0700: crew began spreading seed in DG-W-1 in anticipation of the rain. Half of the crew moved just south into DG-2, DG-2 new channels to work on adding cages to plants and fixing collapsed plants.

0810: work on collapsed plants ceased, leaving most of the crew (10) spreading seed while the rest prepared cages.

1100: rain began.

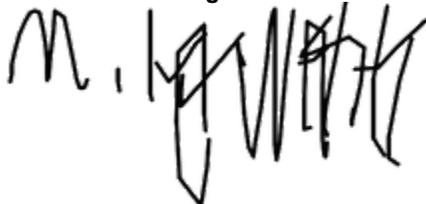
1130: monitored use of an excavator in DG-2.

1230: the day was called due to strong winds and rain, crew began wrapping up.

Additional Comments

N/A

Signature





photo_1-crew_tilling_seeded_area_facingW.jpg
-118.17155 34.19212



photo_2-crew_spreading_seed_mix_facingE.jpg
-118.17155 34.19213



photo_3-fixing_collapsed_plants_facingE.jpg
-118.17167 34.19075

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: March 3, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	85 %
End of Day	12:45	63 °F	7-9 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Five Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon). Daniel and Mario were Natures Image foremen.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

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

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 scraping and hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. One California scrub-jay nest was observed and entered into Collector; adults were building. The biologist created a physical buffer with pink flagging for the crew. The biologist answered plant questions and guides crew on which plants to remove. The crew tarped removed vegetation and delivered to dumpster. The crew picked up their trash and the biologist completed report and left the site at 1245

Additional Comments

Moderate heavy rain from 1100-

Signature





Vegetation_clearing_during_facingW.jpg
-118.17234 34.19455

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	0 %
End of Day	15:00	66 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 tilling a recently seeded area of DG-W-1, planting, digging, and placing cages in DG-2, DG-2 WOUS, DG-2 new channels.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MODO, CATH, CASJ, WCSP, CALT, SOSP, BUSH, MALL, CAGO, WREN, BLPH, ACWO, HOFI, CORA, LEGO, ANHU, ALHU, EUST, CAKI, NUWO, NOFL, BEWR, bobcat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

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

1130: crew began planting, digging, and adding cages to plants in DG-2, DG-2 new channels, and DG-2 WOUS just downslope of the easternmost trail on the site.

1210: monitored use of an excavator on the far west side of DG-2.

1235: moved excavator to far south side of DG-2.

1450: crew began wrapping up digging while I inspected the site.

Additional Comments

N/A

Signature





photo_1-tilled_and_seeded_area_DG-W-1_facingS.jpg
-118.1716 34.19166



photo_2-excavator_use_DG-2_facingE.jpg
-118.17261 34.19079



photo_3-new_cages_DG-2_facingS.jpg
-118.17241 34.18923



photo_4-planting_progress_DG-2_facingS.jpg
-118.17271 34.18948

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: March 4, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	0 %
End of Day	15:00	67 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Six Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon). Daniel- Natures Image foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, NUWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, SPTO, DEJU, SAPH, EUST, bobcat observed catching squirrels and running.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions . The crew tarp removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1500.

Additional Comments

Signature





Vegetation_removal_during_facingSW.jpg
-118.17211 34.19516



Vegetation_removal_before_facingS.jpg
-118.17321 34.19363

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: March 5, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	0 %
End of Day	15:00	77 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) planting, digging holes, and installing irrigation in DG-2 and DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, CASJ, ANHU, SOSP, desert cottontail, WCSP, HOFI, CATH, CALT, LEGO, CORA, BLPH, SPTO, OATI, BEWR, MALL, RCKI, NOMO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 crew continuing to plant in DG-2. Two members organizing equipment container.

0800 walked southernmost section of DG-2 with foreman to find last areas to plant in. Found a section and surveyed for access route and nests.

0930 monitored excavator clearing dead non-native thatch. Other areas to be cleared by hand next week.

1130 crew continuing to plant along channel in DG-2 WOUS and clear brush with mini-excavator in DG-2. Also began fusing large irrigation pipe to install a new control box in west side of DG-2. Monitor continued nest searching, especially in southern portions of the work area.

1200 foreman began digging holes with auger in cleared section. Others stopped planting and focused on irrigation install.

1420 finished digging holes in DG-2.

Additional Comments

N/A

Signature





Photo 1-planting in south of DG-2_facingS.jpg
-118.17266 34.1896



Photo 2-clearing south end of DG-2.jpg
-118.17317 34.18817



Photo 3-planting complete_same view as photo 1.jpg
-118.17267 34.18956



Photo 4-cleared and holes dug_same view as photo 2.jpg
-118.17315 34.18823

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	15:00	72 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Six Labor Finders workers and two Natures Image workers performing vegetation removal by scraping non-native sprouts using hand pulling and hand-held tools in DG-4 (northern polygon) and slightly DG-4C. Daniel- Natures Image foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, NUWO, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, western fence lizard, side-blotched lizard, western whiptail, BGGN, coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-4 and slightly DG-4C in the afternoon, hand pulling non-natives mostly all in a vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions . The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1500.

Additional Comments

Signature





Vegetation_removal_during_facingE.jpg
-118.17326 34.19375



Vegetation_clearing_during_facingE.jpg
-118.17324 34.19371

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 8, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	51 °F	0-3 MPH	100 %
End of Day	15:15	61 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Most of the day spent monitoring planting/irrigation crew in DG-2, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, RCPA, CALT, BEWR, ALHU, ANHU, RCKI, CASJ, CATH, ACWO, AMCR, BLPH, LEGO, CORA, MODO, WEBL, YRWA, COHA, CAKI, RTHA, NOFL, California ground squirrel, HUVI, NUWO, MOCH heard upslope at 34.190925°N 118.170693°W, WCSP, GCSP, OATI, CAQU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 met with Daniel Holmes and other workers at Hahamongna park parking lot to go to east side. Once there, parking near dam to survey small area with other biologist Mike Walsh to clear an area for nesting birds that will be weeded this morning, approx. 34.188296°N 118.172842°W (DG-2). No nesting behaviors seen (ALHU, CASJ, SOSP, BEWR, HOFI, CALT, etc.).

0815 moved to planting crew at DG-2, called Margie at Stillwater to discuss project. Nest-searched and monitored crew for the rest of the day, however, no nesting behaviors were observed.

1045 chatted briefly with Christine of ECORP regarding nesting. Planting crew is fairly spread out today along the east side. A generator was used in the mule fat scrub for about 30-60 minutes to run the hose fusion coupling device. Crew stopped work at 1500; walk to car and notes until 1530.

Additional Comments

N/A

Signature





photo_1-planting_DG-2_facingNW.jpg
-118.17227 34.18983



photo_2-planting_DG-2_facing_NE.jpg
-118.17175 34.19023

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	95 %
End of Day	15:00	62 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 7 hand pulling perennial pepperweed and poison hemlock in the southwest corner of DG-2

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, SPTO, ANHU, CALT, CASJ, SOSP, CATH, AMCR, WCSP, HOFI, WREN, MALL, RCKI, CORA, HETH, KILL, VGSW, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in the far south corner of DG-2.

0700: flagged off the eastern border of DG-2, had a tailgate meeting with crew to go over weeds in area and borders of the area.

0710: monitored vegetation clearing in DG-2.

1400: moved a few crew members to west side of DG-2 in the same general area.

Additional Comments

N/A

Signature





photo_1-DG-2_before_pulling_facingW.jpg
-118.173 34.18812



photo_2-DG-2_after_pulling_facingW.jpg
-118.17295 34.1881



photo_3-DG-2_before_pulling_facingW.jpg
-118.17272 34.18848



photo_4-DG-2_after_pulling_facingW.jpg
-118.17276 34.18846

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	20 %
End of Day	15:00	48 °F	0-3 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13 adding microlines, caging plants, planting and digging holes in DG-2, DG-2 new channels, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, CATH, RTHA, OATI, CASJ, ANHU, SPTO, HOFI, LEGO, ALHU, WCSP, ACWO, NOFL, NUWO, CORA, WEBL, BLPH, YRWA, RCKI, black-bellied slender salamander, SOSP, CAKI, EUST, MOCH, MERL, MODO, VGSW, BUSH, AMCR, TUVU, BEWR

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey while the crew lead had a tailgate meeting with the crew members regarding the day's strategy.

0710: crew began flagging places to add microlines and new plants.

0735: crew began digging and planting in DG-2, DG-2 WOUS.

1200: monitored use of an excavator in the far south end of DG-2.

1500: crew wrapped up for the day.

Additional Comments

N/A

Signature





photo_1-crew_flagging_microlines_facingSE.jpg
-118.17167 34.19023



photo_2-DG-2_planting_progress_facingN.jpg
-118.17312 34.18822



photo_3-DG-2_planting_progress_facingE.jpg
-118.17247 34.19076



photo_4-excavator_use_facingW.jpg
-118.17284 34.18831

Devil's Gate Biological Monitoring Log
Biologist/Monitor: David Wappler
Date of Log: March 9, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	50 %
End of Day	15:15	62 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 1 foreman (Mario) and six laborers (Cynthia, Jesus, Daniel, Eduardo, Jose and Louis) used hand tools to weed invasive, non-native species. Two other laborers from another Natures Image crew joined the crew in the afternoon.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Avian (23): rtha 2, coha 2 (1 adult, 1 juv), cora 4, nofl 1, calt 5, cath 1, casj 4, rcki 1, spto 4, bewr 5, bush 45, hofi 10, lego 5, webl 4, sosp 3, alhu 2, anhu 1, nuwo 1, wren 1, auwa 4, wcsp 5, stja 1, oati 2. Herps: western fence lizard 2. Mammals: California ground squirrel 1.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Met at west parking lot
0700 Crew moved to north lot
0715 Crew weeded black mustard in a northern section of DG-4.
0800 Crew moved to "Primrose Area" on west side.
0815 Crew weeds in west side DG-4 and DG-4A. Weeds include perennal pepperweed, black mustard, and poison hemlock.
0900 Crew takes a 30-minute break.
1030 Crew using steamer departs due to equipment not working properly.
1200 Crew takes 30-minute lunch.
1230 Crew resumes weeding.
1515 End of workday

Additional Comments

N/A

Signature



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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	39 °F	0-3 MPH	5 %
End of Day	14:50	52 °F	7-9 MPH	95 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 13 planting, digging, fusing pipe, weed whacking poison hemlock, and seeding in DG-2, DG-2 new channels, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MALL, CALT, RTHA, SOSP, CATH, CAQU, CASJ, SPTO, HOFI, WCSP, ALHU, LEGO, CAKI, ACWO, NOFL, MODO, CORA, BLPH, KILL, BUSH, SSHA, MOCH, BGGN

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored placing of plants, planting and digging in DG-2, DG-2 new channels.

0700: a couple crew members began fusing pipe in DG-2, monitored this activity.

0730: scouted new areas to plant, found one in DG-2. Performed a nesting bird survey in the area.

0920: crew began seeding DG-2, DG-2 new channels.

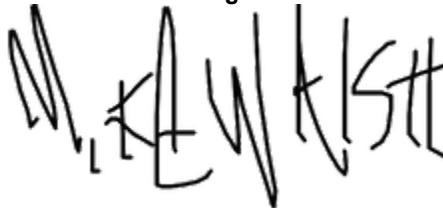
1145: crew began tilling areas which had been seeded, monitored clearing of poison hemlock seedlings with a weedwhacker in DG-2.

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

Additional Comments

Light rain on and off throughout the day

Signature





photo_1-DG-2_planting_progress_facingNE.jpg
-118.17224 34.18991



photo_2-crew_seeding_DG-2_new_channels_facingW.jpg
-118.17145 34.19078



photo_3-newly_seeded_area_facingN.jpg
-118.17221 34.19018



photo_4-DG-2_vegetation_clearing_facingW.jpg
-118.17233 34.18992

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: March 11, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	80 %
End of Day	15:00	50 °F	4-6 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Five Labor Finders workers and two Natures Image workers performing vegetation removal using hand pulling and hand-held tools in DG-4. Mario- Natures Image foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, COHA, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, Botta's pocket gopher, WEME, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, coyote

Did You Observe any Non-Compliance Issues? Yes No

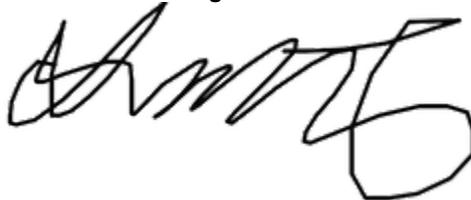
Log Entry

0645 biologist arrived on site and met with crew. Crew worked in DG-4 using hand pulling/hand-held tools on non-natives mostly all in vegetative stage (hemlock, mustard, horehound, and pepperweed) all work day. Throughout the day, the biologist was searching for bird nest and breeding behavior. One new nest (CASJ_4) was discovered and buffer was flagged. The biologist answered plant questions . The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1500.

Additional Comments

1 new nest. CASJ_4

Signature





Vegetation_clearing_before_facingS.jpg
-118.17332 34.19346



Vegetation_removal_during_facingS.jpg
-118.17337 34.19351



Vegetation_removal_after_facingS.jpg
-118.17341 34.19348

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 12, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	38 °F	0-3 MPH	0 %
End of Day	15:00	53 °F	4-6 MPH	80 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

Working with Natures Image temp crew (weeding), 9 workers with foreman Mario Godoy in northern project area, DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, AMCR, CORA, HUVI, SOSP, WEME, ACWO, NOFL, BEWR, CASJ, RCKI, WCSP, MODO, BUSH, CALT, SPTO, LEGO, MOCH, RTHA, SSHA, side-blotched lizard, ALHU, ANHU, Botta pocket gopher, BGGN, EUST, TUVU, CAKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 start with temp weeding crew at DG-4, east and northeast of north parking lot. Crew mostly getting low sprouts of hemlock, mustard etc. with tillers/hoes in the coastal sage scrub and mule fat/edges. No new nesting discovered here; CASJ nests stil active although CASJ_4 confirmed to not have eggs yet.

1135 Mario leaves and leaves Alberto in charge.

1200 right at lunch, heavy rain for 15 minutes. The rain stops by 1230 and work resumes. Several of the crew get further south in scrub, closer to willows. Frisbee golfers getting sloppy and almost hitting myself and others with their disks. Overall, no new nesting activity or behaviors seen. Crew done at 1500.

Additional Comments

N/A

Signature





photo_1_hand_pulling_DG-4_facingN.jpg
-118.17207 34.1952



photo_2_hand_pulling_DG-4_facingSE.jpg
-118.17249 34.19438

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: March 12, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	37 °F	0-3 MPH	5 %
End of Day	14:30	54 °F	4-6 MPH	60 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crews planting, broadcasting seed, and digging holes in DG-2, DG-2 new channels

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, WCSP, BEWR, CORA, RTHA, BUSH, desert cottontail, coyote, CAGO, CATH, SOSP, KILL, MALL, ANHU, LEGO, HOFI, CALT, RCKI, SSHA, YRWA, NOFL, ACWO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

Crew set aside excess plants from DG-2 to be moved to Mining Pit (DG-W-2). One group planting along DG-2 WOUS channel and other in south end of DG-2. Filling in last open spaces with remaining plant.

0930 crew continued broadcasting seeds by hand in DG-2 and DG-2 new channels.

1215-1245 paused work for rain. Foremen used mini-excavator and weed whackers to clear pocket of weeds in northwest of DG-2. Began digging holes with auger. Crew began cleaning up at 1415.

Additional Comments

N/A

Signature





Plants staged in DG-2_facingSW.jpg
-118.17277 34.18832



Clearing non-native vegetation for planting_DG-2_facingNE.jpg
-118.17257 34.19132



Area cleared_vegetation piled_holes started.jpg
-118.17239 34.19106

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 15, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	47 °F	4-6 MPH	100 %
End of Day	15:15	51 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 with Daniel Holmes, foreman on east side, DG-2, DG-2 New Channels, DG-2 WOUS. Second Natures Image planting crew of 5 led by Lalo working slightly further south.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WESJ, CAQU, YRWA, WCSP, BGGN, RCKI, BUSH, RTHA, ALHU, ANHU, WEBL, BEWR, desert cottontail, alligator lizard, CASJ, BLPH, MALL, CANG, HOFI, LEGO, CALT, CATH, SPTO, NUWO, ACWO, CORA, AMCR, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 steady rain, so work is paused until it lets up.

0730 still raining lightly but I walk the entire planting area to survey for nests.

0930 some of Lalo's crew start to work on some irrigation lines but it quickly starts raining again. All work is paused through the 1100-1130 lunch, work starts up about 1145 once it finally stops raining.

1200 I am monitoring Daniel work the excavator/auger to drill some planting holes near/under a willow canopy at 34.191046°N 118.172346°W (DG-2). Relocated large alligator lizard out of harm's way. Also some weed abatement here to prep for planting (last year's poison hemlock stalks pulled and weed whacking 2021 low hemlock green growth). 2-3 CASJ excited but not seeing any indication of nesting. Monitoring weeding and hole-digging on east edge near coast live oaks on slope (due east of above area), similar agitation amongst CASJ, SPTO but no nests found.

1500 crews done packing up.

Additional Comments

Rained out most of the morning. Cold day, occasional light showers in afternoon.

Signature





photo_1-excavator-auger_DG-2_facingSW.jpg
-118.1723 34.19113



photo_2-excavator-auger_DG-2_facingNE.jpg
-118.17245 34.19108



photo_3-weeding_planting_DG-2_facingN.jpg
-118.17155 34.19067

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: March 15, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	4-6 MPH	100 %
End of Day	13:00	50 °F	7-9 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 8 clearing mustard and poison hemlock in DG-4 on the northwest side of the site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CAQU, CATH, SOSP, CALT, SPTO, WREN, NOFL, CASJ, RTHA, ACWO, MODO, HOFI, LEGO, EUST, WEBL, YRWA, CORA, desert cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey.

0700: monitored vegetation clearing in DG-4.

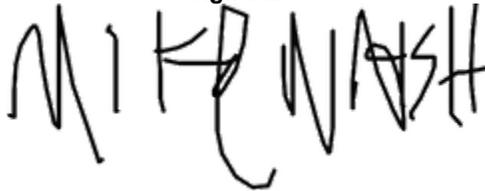
1110: found a possible ACWO nest about 50 ft northwest of the northernmost parking lot on the east side. All pertinent information logged in collector.

1300: crew began wrapping up vegetation removal to focus on irrigation maintenance while I inspected the site.

Additional Comments

Scattered showers throughout the day, very little noticeable bird activity.

Signature





photo_1-DG-4_vegetation_clearing_before_facingW.jpg
-118.17275 34.19343



photo_2-DG-4_vegetation_clearing_after_facingW.jpg
-118.17276 34.19344



photo_3-DG-4_vegetation_clearing_before_facingW.jpg
-118.17281 34.19342



photo_4-DG-4_vegetation_clearing_after_facingW.jpg
-118.17279 34.19345

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 16, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	37 °F	0-3 MPH	0 %
End of Day	15:15	60 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Monitoring Labor Finders crew (weeding) on west side, around north parking lot and south of main parking lot. 8 workers including foreman Mario Godoy.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, RCPA, AMCR, BGGN, CASJ, PUF1, RCKI, CATH, BEWR, SOSP, WEME, ACWO, ALHU, ANHU, LEGO, desert cottontail, CORA, EUST, STJA, COHA, western toad, MODO, RTHA, BUSH, WEBL, OATI, WBNU, SPTO, CAQU, side-blotched lizard, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 monitoring weed removal at southeast edge of coastal sage scrub area east of parking lot (DG-4, DG-4A). Low sprouts of mustard and hemlock.

0730 located new CASJ nest (CASJ_5) under construction at 34.193016°N 118.172690°W, entered into collector, flagged buffer at approx 80 ft. Checked CASJ_4 and 1 CASJ sitting tight, 2nd bird on patrol.

0930 moving briefly to north edge of project area, DG-4 plantings in CSS in sandy rocky soils (horehound, flowering mustard, 2020 tocalote fruits).

1000-1100 pulling in a small planted area along the road toward southwest end (34.189826°N 118.177221°W), DG-4. 1100 move slightly north to 34.191486°N 118.176306°W: pepperweed, mustards, grasses. New BUSH nest found, building, nearly completed in coast live oak. Establishing 50 ft buffer. MODO pair observed copulating 20 feet from BUSH nest. They are staying close by but no nest found. Much BEWR activity in this area as well, seem slightly agitated at workers but only temporarily.

1506 RTHA copulating on power pole, one possibly with small stick in bill, appear to be using general area to the south and west.

Additional Comments

N/A

Signature





photo_1_handpulling_DG-4_facingSW.jpg
-118.17259 34.19558



photo_2_handpulling_DG-4_facingSE.jpg
-118.17642 34.19157



photo_3_after_handpulling_DG-4_facingSW.jpg
-118.17644 34.19148

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	37 °F	4-6 MPH	0 %
End of Day	15:00	57 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 planting, digging, laying irrigation, and unloading plants in DG-2 new channels and DG-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CALT, SOSP, CANG, WCSP, HOFI, KILL, NUWO, ALHU, coyote, BLPH, SPTO, CAQU, WEBL, YRWA, LEGO, EUST, RTHA, RCKI, OATI, AMCR, SSHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-2.

0700: monitored planting in DG-2, DG-2 WOUS.

0730: monitored vegetation clearing with a weed whacker in DG-2.

0820: found a scrub jay nest in DG-2 near the west side of Johnson field. All relevant details were logged into collector and crew was advised to avoid by 60 feet. Buffer was flagged.

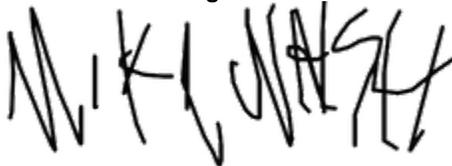
1015: took delivery on 445 new plants from hahamongna nursery.

1450: crew began wrapping up digging while I inspected the site

Additional Comments

N/A

Signature





photo_1-crew_member_clearing_vegetation_DG-2_facingE.jpg
-118.17228 34.19109



photo_2-newly_delivered_plants_facingS.jpg
-118.17142 34.1908



photo_3-planting_progress_facingNE.jpg
-118.17225 34.19108



photo_4-CASJ_approximate_nest_location_facingW.jpg
-118.17215 34.19141

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 17, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	0 %
End of Day	15:00	66 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 7 with Mario Godoy hand-pulling on west side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BEWR, PUFI, CASJ, MODO, BUSH, RCPA, STJA, CALT, CATH, CORA, LEGO, ACWO, SPTO, WCSP, WBNU, SOSP, RCKI, HOFI, CATH, WEBL, desert cottontail, CAQU, RSHA, COHA, YRWA, CAKI, ALHU, ANHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 continuing hand-removal along main road/power-line corridor on west side at same site as yesterday afternoon (approx. 34.191466°N 118.176320°W), DG-4. Active BUSH (nest), MODO, BEWR, CASJ. CALT briefly holding nest material south of here but dropped it.

0945 recorded new CASJ_7 nest (bldg) in coast live oak by baseball field - likely no project effects or buffers require due to location beyond project area boundaries (but pair territory overlaps DG zone).

1000 crew moves over the 'boulder' site, closer to the sediment removal zone, at approx 34.191265°N 118.175209°W to weed around plantings. Willows still lack foliage but area is bordered by dense mule fat. CASJ, CATH, HOFI, NOFL, BUSH.

1100 Crew noticing CASJ carrying material near their work location so I have them move to a location south to 34.190885°N 118.175278°W along access road. I attempted to find the potential nest at the original location but am only seeing jays bringing in acorns to cache.

1310 attempting to follow up on Christine's CATH_1 nest but wasn't able to find anything during a quick non-intrusive search. Best to check it out in the morning hours.

1315 crew moves to DG-4B planted area adjacent to main dumpster parking lot. I instruct the workers on some of the tiny native vs nonnative plants emerging. E.g., Phacelia ramosissum, Phacelia minor, Ambrosia acanthicarpa vs Erodium cicutarium, Urtica urens, Chenopodium album etc. Dwarf nettle clumps are getting tall (8-10 in.) and Sisymbrium and Lepidium are vigorously growing as well. Only just started this site, lots of work to do still.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4_facingNW.jpg
-118.17503 34.19129



photo_2-hand-pulling_DG-4_facingW.jpg
-118.17517 34.19097



photo_3-hand-pulling_DG-4B_facingNW.jpg
-118.17497 34.19203

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	36 °F	0-3 MPH	0 %
End of Day	13:10	61 °F	4-6 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 clearing vegetation, adding microlines, moving existing plants, planting and digging in DG-2, DG-2 New channels near the culvert at the south end of the Johnson field.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, AMCR, CALT, CASJ, SPTO, CANG, HOFI, BUSH, WCSP, CATH, MODO, KILL, BLPH, CORA, ACWO, LEGO, NUWO, ALHU, ANHU, EUST, VGSW

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored vegetation clearing in DG-2 on the north side.

0720: monitored the moving of a few plants near the fence line at the western border of DG-2.

0750: monitored planting and digging in DG-2 and DG-2 new channels on the north side.

1130: a few crew members began adding microlines to new plants.

Additional Comments

N/A

Signature





photo_1-vegetation_clearing_before_DG-2_facingN.jpg
-118.17177 34.19078



photo_2-vegetation_clearing_after_DG-2_facingN.jpg
-118.17179 34.19073



photo_3-microline_maintenance_facingW.jpg
-118.17218 34.19114



photo_4-planting_progress_DG-2_facingN.jpg
-118.17159 34.19061

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	20 %
End of Day	15:00	66 °F	0-3 MPH	25 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders/Natures Image crew of 8 hand pulling mustard, perennial pepperweed and erodium in DG-4B and weed whacking/hand pulling non-native grasses and erodium in DG-5.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, SOSP, WCSP, NUWO, SPTO, CALT, LEGO, HOFI, CASJ, ANHU, COHA, ACWO, WREN, CATH, WEBL, MODO, EUST, YRWA, RTHA, OATI, BEWR, OCWA, CAKI, western toad, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored vegetation clearing in DG-4B.

1130: performed a nesting bird survey in DG-5.

1230: monitored vegetation clearing by hand and with a weed whacker in DG-5.

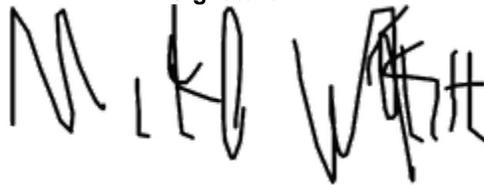
1350: relocated a western toad from the work area to DG-4 about 100 feet east.

1450: crew began wrapping up while I inspected the site and took photos.

Additional Comments

N/A

Signature





photo_1-DG-4B_vegetation_clearing_before_facingE.jpg
-118.17504 34.19211



photo_2-DG-4B_vegetation_clearing_after_facingE.jpg
-118.17506 34.19207



photo_3-DG-5_vegetation_clearing_before_facingE.jpg
-118.17685 34.19098



photo_4-DG-5_vegetation_clearing_after_facingE.jpg
-118.1769 34.19101

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	47 °F	0-3 MPH	50 %
End of Day	15:00	69 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (12) installing microlines, digging holes, and planting in DG-2, DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, BEWR, LEGO, desert cottontail, CASJ, WCSP, CALT, RCKI, SOSP, ANHU, WEME, MODO, ACWO, WEBL, RTHA, SPTO, alligator lizard, California striped racer, NOMO, NRWS

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Monitor arrived on site. Crew staging equipment to continue installing microlines in DG-2 and DG-2 WOUS, digging holes and planting in DG-2.

0745 observed pair of California thrashers bringing nesting material into a large mulefat at the south end of DG-2.

Added to Collector, but will have to return. Planting/irrigation is complete here.

0800 Monitor met with County photographer to tour progress throughout site.

0900 crew found small pocket of weeds that could be removed for planting. Instructed them to wait on using weed whackers until Monitor could return to observe.

1130 Met with County surveyors and ECORP biologist at southwest boundary of DG-2. Used sub-meter GPS to compare lines on the ground and in Collector.

1300 Tree of Life nursery truck arrived to pick up empty gallon pots. Entire crew helped collect and load. Crew continued planting and installing irrigation in small pocket on west side of DG-2. Finished at 1445 and began cleaning up and caging new plants.

Additional Comments

N/A

Signature





Completed planting in DG-2 pocket.jpg
-118.17241 34.19027

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael walsh
Date of Log: March 19, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	13:45	72 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 planting, digging, placing cages, cleaning up, and laying irrigation in DG-2, DG-2 WOUS, DG-2 new channels, DG-W-1, and moving plants to DG-W-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CANG, SOSP, SPTO, CATH, CALT, CASJ, WCSP, RCKI, HOFI, BUSH, ACWO, KILL, MODO, CAKI, MALL

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored planting and digging in DG-2 while a few crew members did a sweep of the east side for trash and 2 crew members made rodent deterrent cages for plants.

0810: monitored vegetation clearing with a weed whacker in DG-2.

0820: monitored planting in the weed-whacked area.

1335: crew finished planting, I inspected the site and did a final lap for debris leftover from planting. They began checking microlines and making/placing cages around plants.

Additional Comments

N/A

Signature





photo_1-DG-2_new_plants_facingE.jpg
-118.17199 34.1909



photo_2-DG-2_new_plants_facingW.jpg
-118.17241 34.19012



photo_3-crew_making_cages_facingW.jpg
-118.17156 34.19219

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: March 19, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	80 %
End of Day	15:15	66 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Five Labor Finders workers and two Natures Image workers performing vegetation removal using hand held tools in DG-5. Daniel- Natures Image foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMRO, RTHA, NUWO, COHA, MODO, SOSP, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, WEME, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, WBNU, OCWA, WTSW, TUVU, HOWR, ALHU, bobcat

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-5 using hand pulling/hand-held tools(non-mechanical) on non-natives, mostly in vegetative stage and some starting to flower (hemlock, mustard, horehound, Hordeum sp., Bromus spp.). Throughout the day, the biologist was searching for bird nest and breeding behavior. The biologist answered plant questions and gave guidance, pin flagging natives for avoidance. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew picked up their trash and the biologist completed report and left the site at 1515.

Additional Comments

Signature





Vegetation_clearing_during_SW.jpg
-118.17651 34.19103



Vegetation_removal_during_facingN.jpg
-118.17671 34.19112

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 22, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	0 %
End of Day	15:00	65 °F	4-6 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Monitoring Natures Image planting crew of 10, foreman Daniel Holmes

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, RCPA, CORA, LEGO, ANHU, SPTO, CATH, CASJ, CALT, PUFU, NUWO, MODO, AMRO, ACWO, BEWR, desert cottontail, WCSP, YRWA, California ground squirrel, NOFL, BLPH, CAKI, side-blotched lizard, western fence lizard, VGSW

Did You Observe any Non-Compliance Issues? Yes No

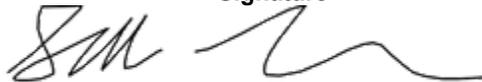
Log Entry

0645 I meet with planting crew on eastside. After walking a portion of the east side work area, Daniel takes me over to west side where most work will be taking place. Four workers will be working on anti-herbivore cages (eastside, DG-2) while 3 are weeding in DG-W-2 Mining Pit on west side, and 2 ferrying potted plants to stage at DG-W-2 Mining Pit in new channel. While monitoring weeding (primarily Lepidium removal with hoes in bottomland willow forest) new ANHU_5 nest found while building. Also updated nearby ANHU_4 nest and setting up buffer flags. These workers will need to keep to west edge near mule fat to stay at least 50 ft from ANHU_5.
1200 seeing CASJ place sticks in coast live oak at 34.193485°N 118.174681°W (beyond dirt road, out of direct work area) but can't see any definitive nest taking shape - will come back.
1230 there's a female ALHU that has been frequently foraging this morning in the willow treetops with new foliage at 34.193320°N 118.174248°W near wildlife camera. Probably more likely than not that she's nesting.
1400 still monitoring this small group of 3 pulling Lepidium/hemlock in willows. Rest of crew is applying cages to existing plantings on east side and moving pots to west side.

Additional Comments

N/A

Signature





photo_1-hand-pulling_plant_staging_DG-W-2_facingN.jpg
-118.17445 34.19276



photo_2-after_hand-pulling_DG-W-2_facingS.jpg
-118.17449 34.19311



photo_3-after-hand-pulling_DG-W-2_facingNE.jpg
-118.17449 34.19309

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	0 %
End of Day	15:15	64 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 7 hand pulling non-native grasses in DG-5

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, NUWO, CALT, SOSP, OATI, CASJ, ACWO, SPTO, BLPH, HOFI, BEWR, MODO, CAQU, VGSW

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-5.
0700: monitored vegetation clearing by hand in DG-5.
1000: called into an office meeting while monitoring crew.
1035: performed a nesting bird survey in DG-4 and DG-4A.
1500: crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-DG-5_vegetation_clearing_before_facingN.jpg
-118.17669 34.19094



photo_2-DG-5_vegetation_clearing_after_facingN.jpg
-118.1767 34.19095



photo_3-DG-5_vegetation_clearing_before_facingN.jpg
-118.17665 34.19095



photo_4-DG-5_vegetation_clearing_after_facingN.jpg
-118.1766 34.19098

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 23, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	0-3 MPH	90 %
End of Day	15:00	68 °F	7-9 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image temporary crew of 7, hand-pulling (hoes, etc.) on west side (DG-4 sheetflow, DG-SF-1, DG-4 Drainage). Daniel Holmes is the designated supervisor but he is with planting crew all day.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMRO, HOWR, BTPI, RCPA, SOSP, CASJ, CATH, CALT, WCSP, OATI, ANHU, LEGO, SPTO, COHA, CORA, AMCR, BEWR, MODO, DOWO, ACWO, HOFI, EUST, CAKI, side-blotched lizard, western fence lizard, BUSH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 Working on Lepidium sprouts (up to 12-15 in. tall) in DG-4 sheetflow. Also mustards and hemlock. A few Phacelia ramosissima here and there but the herbaceous layer is currently 99% nonnative. Same area all day. CASJ observed taking nest material all the way to CASJ_7 by baseball field. No other suspected nests on the area.

Additional Comments

N/A

Signature





photo_1-hand-pulling_DG-4_sheetflow_facingS.jpg
-118.17607 34.19152



photo_2-hand-pulling_DG-4-sheetflow_facingS.jpg
-118.1761 34.19145



photo_3-after_hand-pulling_DG-4_sheetflow_facingE.jpg
-118.17618 34.19134

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	40 %
End of Day	14:40	68 °F	10-12 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 hand pulling perennial pepperweed and mustard in DG-W-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ALHU, WREN, CAQU, OATI, BEWR, CASJ, NUWO, NOFL, YRWA, ANHU, CALT, RTHA, COHA, CAKI, BLPH, EUST, WEBL, VGSW, side-blotched lizard, western fence lizard, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-W-2.

0700: cleared crew to work, monitored vegetation clearing in DG-W-2.

0930: verified 2 hummingbird nest locations near the dam which had been reported to us by the public.

0950: resumed monitoring in DG-W-2.

1300: spotted the driver of the excavator while they moved it from the east side to the west side.

1430: crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-DG-W-2_vegetation_clearing_before_facingS.jpg
-118.17429 34.19315



photo_2-DG-W-2_vegetation_clearing_after_facingS.jpg
-118.17432 34.19315



photo_3-DG-W-2_vegetation_clearing_before_facingS.jpg
-118.17426 34.19338



photo_4-DG-W-2_vegetation_clearing_after_facingS.jpg
-118.17423 34.19337

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 24, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	15:00	71 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 6 starting hand-pulling/hoeing in DG-5, DG-4/4A/4 Sheetflow/4 Drainage. Crew is supervised by Daniel Holmes, but Daniel is working with planting crew most of day.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

NUWO, ACWO, LEGO, CALT, SOSP, CATH, WCSP, HOWR, RCKI, CASJ, WEBL, BEWR, SPTO, RCPA, CORA, first 2021 PSFL (visual, not singing), PUF1, COYE, MODO, WBNU, RTHA, CAQU, California ground squirrel, side-blotched lizard, western fence lizard, desert cottontail, BLPH, YRWA, COHA seen and heard calling to the south/southwest

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 crew is continuing previous hand-pulling/hoeing weeds on DG-5 planted area. First hand-pulling mustards then will use weed-whacker. I pointed out native horseweed. Non-natives include Vulpes, Hordeum, Schismus, Hirschfeldia, Capsella, Erodium, etc.
0800 move to DG-4/4A/4 Sheetflow/4 Drainage, DG-W-2 (Mining Pit Outlet) to continue removal of Conium, Lepidium from yesterday.
0805 RTHA pair briefly fly onto nearby SCE subtransmission pole, no nest material. After 5 mins, fly back toward east side.
0832 advising crew of difference between the two diminutive Brassicaceae annuals: native bittercress Cardamine oligosperma and non-native Shepherd's purse, Capsella bursa-pastoris. Crew continues here after lunch. I followed a m-f pair of SPTO 20-30 mins hoping to follow the female back to nest but lost her in the mule fat thicket centered at 34.191811°N 118.175649°W.
1400 two workers leave, now four moving eastward in willow/mule fat, still in DG-4 Sheetflow.

Additional Comments

N/A

Signature





photo_1-DG-5_hand-pulling_facingNW.jpg
-118.17667 34.19102



photo_2_hand-pulling_DG4_sheetflow_facingW.jpg
-118.17566 34.19127



photo_3_DG-W-2_mining_pit_outlet_after_hand-pulling_facingS.jpg
-118.1759 34.19151

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael walsh
Date of Log: March 24, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	53 °F	10-12 MPH	0 %
End of Day	15:00	72 °F	10-12 MPH	15 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 digging and hand pulling perennial pepperweed and mustard in DG-W-2.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, NUWO, ANHU, BEWR, SOSP, ACWO, LEGO, YRWA, CASJ, KILL, VGSW, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-W-2. Cleared crew to work.

0657: monitored vegetation clearing in DG-W-2.

0730: relocated two western fence lizards from DG-W-2 to DG-4.

0830: mapped remaining areas to be planted to determine current native cover.

1130: crew began digging holes in DG-W-2.

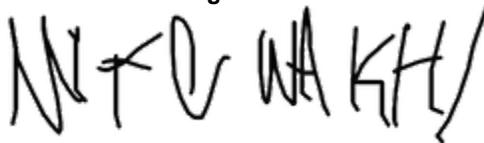
1445: found a scrub jay nest over the trail. Crew was advised to avoid, buffer did not fall into a likely work area so no flagging was put up. All relevant details added to collector under CASJ_8.

1455: crew began wrapping up digging while I inspected the site.

Additional Comments

After monitoring had finished Daniel and I had to spend some time dealing with police- a mountain biker with a broken leg was reportedly on the site at an unknown location.

Signature





photo_1-Before_vegetation_clearing_DG-W-2_facingS.jpg
-118.17429 34.19313



photo_2-After_vegetation_clearing_DG-W-2_facingS.jpg
-118.17437 34.19314



photo_3-Digging_progress_facingS.jpg
-118.1745 34.19307

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	7-9 MPH	100 %
End of Day	15:05	57 °F	10-12 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 5 clearing perennial pepperweed, mustard, and poison hemlock in DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, CASJ, BEWR, CATH, SOSP, OCWA, HOFI, WEBL, BUSH, AMCR, YRWA, LEGO, HOWR, desert cottontail, ALHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-4 sheetflow.

0700: monitored vegetation clearing in DG-4 sheetflow.

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

Additional Comments

N/A

Signature





photo_1-vegetation_clearing_before_facingS.jpg
-118.17577 34.19127



photo_2-vegetation_clearing_after_facingS.jpg
-118.17575 34.19128



photo_3-vegetation_clearing_before_facingS.jpg
-118.17591 34.19117



photo_4-vegetation_clearing_after_facingS.jpg
-118.17589 34.19116

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Margie Pfeffer
Date of Log: March 25, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	51 °F	0-3 MPH	90 %
End of Day	14:45	58 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew (9) clearing non-natives and native leaf litter before planting in DG-W-2

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MODO, ANHU, CORA, CALT, NUWO, CASJ, ACWO, RTHA, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 crew continuing site prep in DG-W-2 (Mining Pit) - clearing native leaf litter and debris, removing non-native plants (all less than 1ft high, vegetative). Species include mustards, perennial pepperweed, and curly dock.

1130 one crew continued removing and piling non-native vegetation while other crew marked and began digging holes, by hand. Monitor used sub-meter GPS to walk DG-W-2 boundary with foreman marking with pin flags.

1245 notified of irrigation break near Altadena Drain by ECORP biologists. Two crew members are building protective cages nearby and will address issue.

1430 crew stopped pulling and digging holes, spent the rest of the day hauling vegetation and fixing irrigation.

Additional Comments

N/A

Signature





Weed removal_DG-W-2_facing N.jpg
-118.17424 34.19349



Clearing understory and litter_DG-W-2_facing NE.jpg
-118.17441 34.19327



After clearing DG-W-2.jpg
-118.17428 34.19342



Site prep progress_facing N.jpg
-118.17451 34.19327

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	100 %
End of Day	13:45	64 °F	7-9 MPH	25 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Labor Finders crew of 3 hand pulling perennial pepperweed and poison hemlock in DG-4 on the west side of the site just south of DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SPTO, CATH, HOFI, CASJ, CALT, SOSP, ACWO, NUWO, LEGO, MODO, STJA, NOFL, YRWA, CAQU, ANHU, BGGN, BUSH, CAKI, VGSW, western fence lizard, desert cottontail, side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored vegetation clearing in DG-4 starting just south of the DG-4 sheetflow area.

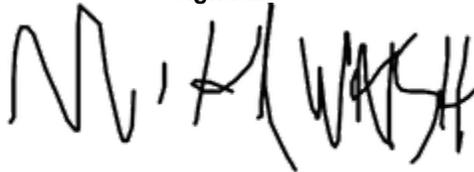
1020: surveyed the surrounding future work areas for nests.

1345: crew began wrapping up pulling to focus on cleanup.

Additional Comments

N/A

Signature





photo_1-DG-4_vegetation_clearing_before_facingW.jpg
-118.1761 34.19109



photo_2-DG-4_vegetation_clearing_after_facingW.jpg
-118.1761 34.19108



photo_3-DG-4_vegetation_clearing_before_facingN.jpg
-118.17611 34.19107



photo_4-DG-4_vegetation_clearing_after_facingN.jpg
-118.17612 34.19108

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: March 26, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	50 %
End of Day	14:45	66 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Eight Natures Image workers (planting crew) performing site preparation for planting potted plants by removing non-native vegetation using hand-held tools in DG-W-2 (Mining Pit). This is in preparation for digging holes for planting potted plants. Daniel- Natures Image foremen.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RTHA, NUWO, DOWO, MODO, SOSF, OATI, RCPA, CASJ, CATH, YRWA, BLPH, BUSH, CORA, WCSP, NOFL, ACWO, RCKI, ANHU, CALT, BEWR, AMCR, HOFI, LEGO, California ground squirrel, BGGN, WREN, WEBL, BUSH, CAQU, SPTO, CANG, ALHU, NOMO, EUST, WTSW, TUVU, ALHU, HETH, DEJU, NOMO, CAKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 biologist arrived onsite and met with crew. Crew worked in DG-W-2 (Mining pit) using hand pulling/hand-held tools (non-mechanical) on non-natives, mostly in vegetative stage and some starting to flower (hemlock, pepperweed, mustard). Throughout the day, the biologist was keeping an eye on bird behavior and updated bird nests nearby where the crew was working. The crew tarped removed vegetation and delivered to dumpster. The biologist reminded the crew to pick up their trash and the biologist completed report and left the site at 1445.

Additional Comments

Signature





Vegetation_clearing_during.jpg
-118.174 34.19355



Vegetation_removal_during.jpg
-118.17405 34.1935

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	56 °F	0-3 MPH	0 %
End of Day	14:45	79 °F	4-6 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration monitoring

Construction Activity:

Natures Image planting crew of 7 including Daniel Holmes, foreman, hand-pulling and planting/irrigation on west side. However, 2 workers are on east side setting plant cages, 1 is with Labor Finders crew, and 2 are doing maintenance. This leaves 2 workers clearing brush and weeding in DG-W-2 Mining Pit to monitor and nest-search in vicinity.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, CASJ, RCPA, WCSP, SOSP, SPTO, LEGO, ACWO, BUSH, CAQU, RTHA, CORA, ALHU, NOFL, LAGO, desert cottontail, side-blotched lizard, western fence lizard, COYE, COHA, RSHA, HUVI, OATI, BLPH, CAKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 monitoring planting crew doing cleanup of last week's piles, and some new weeding in Mining Pit. Spoke briefly with Lauren Simpson in field. Updated several of the local nests and found BUSH_9 in DG-2-W Mining Pit. Many of the towhees etc could be on eggs but in the dense mule fat thickets where there will be no work and thus do not require destructive nest searching. Willows are getting more leaf growth but still fairly open canopied.

1415 Labor Finders crew shows up to help finish weeding and bundling with plant crew. I noticed earlier and advised Daniel that most of the elderberries in nursery pots appear quite wilted so they are watering those and everything else. Warm day. Crew done weeding at 1430.

Additional Comments

N/A

Signature





photo_1_DG-W-2_mining_pit_after_weeding_facingW.jpg
-118.17363 34.19365



photo_2_DG-W-2_mining_pit_weeding_facingNE.jpg
-118.17397 34.19311

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: March 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction monitoring

Construction Activity:

Natures Image crew and Labor Finders crew of 8 removing perennial pepperweed, poison hemlock, and mustard by hand and with nonelectric tools in DG-4. Removing a eucalyptus in DG-2 with a chainsaw.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, SPTO, CASJ, LEGO, CATH, SOSP, BGGN, MODO, ACWO, BUSH, RTHA, HOFI, western toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: gave weep training to 2 new Labor Finders crew members.

0705: performed a nesting bird survey in DG-4.

0720: monitored vegetation clearing in DG-4.

1155: crew moved to DG-2 on the east side to remove a eucalyptus. Performed a nesting bird survey.

1210: cleared crew to the remove tree.

1400: crew began working on cleanup while I inspected the site and took photos.

Additional Comments

N/A

Signature





photo_1-DG-4_before_vegetation_removal_facingW.jpg
-118.17616 34.19097



photo_2-DG-4_after_vegetation_removal_facingW.jpg
-118.17616 34.19099



photo_3-tree_removal_before_facingN.jpg
-118.17269 34.18947



photo_4-tree_removal_after_facingN.jpg
-118.17274 34.18955

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: March 30, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	47 °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:

Labor Finders crew of 9 hand-pulling on west side with 1 Natures Image employee (Tom) for the first hour.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, RCPA, SPTO, SOSP, WCSP, BEWR, CASJ, NUWO, ACWO, BUSH, LEGO, COYE, COHA, OATI, ANHU, WEBL, CATH, HOWR, NRWS, desert cottontail, eastern fox squirrel, side-blotched lizard, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 starting in planted area of DG-4 (34.191050°N 118.176133°W), hand-pulling/hoeing grasses, mustards, hemlock, some pepperweed.

0800 Tom (Natures Image) leaves to join planting crew.

0845 located and logged new BUSH_9 nest, building.

1130 after lunch this area is almost done. Some inefficiencies due to a lack of tarps to bundle the weeds, rather than wait, I move crew over to DG-5 at 1315. Grasses such as Hordeum and Bromus diandrus have fully developed inflorescences and need to be pulled. Lots of Erodium, Medicago, Capsella, Lamium, Stellaria, Schismus. Native horseweed is still very short and under weed canopy but is abundant in some spots and should not be tilled. Other natives include stinging nettle, Madia elegans, Phacelia ramosissima, Phacelia elegans, California poppy. Certain clumps that were not weed-whacked have grown back and are needing to be pulled for grasses, Erodium, etc., while keeping the natives underneath.

Additional Comments

N/A

Signature





photo_1-DG-4_hand_pulling_facingN.jpg
-118.17613 34.19092



photo_2_DG-4_after_hand_pulling_facingS.jpg
-118.1762 34.19106



photo_3_hand-pulling_DG-5_facingE.jpg
-118.17698 34.19097

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: March 30, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	4-6 MPH	100 %
End of Day	14:55	75 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration monitoring

Construction Activity:

Natures Image crew of 4 clearing vegetation, fusing pipe in DG-W-2, DG-W-2 Mining Pit Outlet.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, NOFL, NUWO, ACWO, CAQU, BUSH, SPTO, BEWR, CATH, CASJ, HETH, DEJU, RTHA, WCSP, western fence lizard, side-blotched lizard, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: monitored vegetation clearing in DG-W-2.
0700: crew took delivery on 2 inch pipes.
0715: resumed monitoring of vegetation clearing.
0830: performed a nesting bird survey in the east wing of DG-W-2.
0910: 2 crew members began fusing pipe in DG-W-2 mining pit outlet.
1030: observed CATH gathering nesting materials in DG-W-2.
1443: crew wrapped up pipe fusion for the day.
1450: crew wrapped up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-vegetation_clearing_DG-W-2_before_facingE.jpg
-118.17398 34.19303



photo_2-vegetation_clearing_DG-W-2_after_facingE.jpg
-118.17397 34.19297



photo_3-crew_fusing_pipe_facingS.jpg
-118.17463 34.19244

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: March 31, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	4-6 MPH	0 %
End of Day	14:44	84 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration monitoring

Construction Activity:

Natures Image crew of 13 hand pulling perennial pepperweed and poison hemlock in DG-W-2, fusing and laying irrigation in DG-W-2 mining pit outlet

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, CASJ, SOSP, BEWR, CATH, EUST, NOFL, WCSP, CAQU, BLPH, HOWR, NUWO, BUSH, BGGN, common side-blotched lizard, western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: performed a nesting bird survey in DG-W-2.

0700: monitored vegetation clearing in DG-W-2. A few crew members split off to work on pipe fusion in DG-W-2 mining pit outlet.

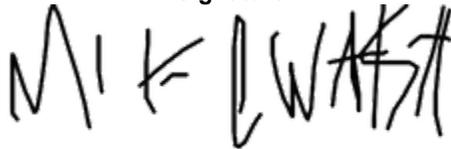
1010: began surveying future work areas near the weeding crew.

1435: crew wrapped up pulling and fusing while I inspected the site.

Additional Comments

N/A

Signature





photo_1-before_vegetation_clearing_DG-W-2_facingE.jpg
-118.17411 34.19271



photo_2-after_vegetation_clearing_DG-W-2_facingE.jpg
-118.17409 34.19271



photo_3-newly_laid_irrigation_facingS.jpg
-118.17464 34.19233