

Devil's Gate Reservoir Restoration Project Fourth Quarter Compliance Report Activities Occurring Between October 2021 and December 2021

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LIST OF ACRONYMS AND ABBREVIATIONS

Term	Description
CDFW	California Department of Fish and Wildlife
CNDDB	California Natural Diversity Database
ESA	Environmentally Sensitive Area
ITP	Incidental Take Permit
LACFCD	Los Angeles County Flood Control District
LACPW	Los Angeles County Department of Public Works
MMRP	Mitigation Monitoring and Reporting Program
USFWS	U.S. Fish and Wildlife Service

1.0 INTRODUCTION

1.1 Purpose

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

Condition 6.7 in the ITP states:

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

This is the thirteenth report (Quarterly Compliance Report Number 13) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between October 1 and December 31, 2021.

2.0 COVERED ACTIVITIES

2.1 Biological Monitoring

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

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

Daily monitoring of construction activities by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site. Daily monitoring of restoration activities was ongoing during the fourth quarter. Table 1 shows Project working dates and the biological monitors that were present on each date.

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

Table 1. Monitors Onsite During Work Days.

Date	Construction Monitors	Restoration Monitors (Stillwater)	Restoration Monitors (ICF)	
10/1/2021	Adam Schroeder	Michael Walsh	N/A	
10/4/2021		Michael Walsh		
10/5/2021		Michael Walsh		
10/6/2021		Scott Werner		
10/7/2021		Michael Walsh		
10/8/2021		Michael Walsh		
10/11/2021		Michael Walsh		
10/12/2021		Michael Walsh		
10/13/2021		Amy Plesetz		
10/14/2021		Michael Walsh		
10/15/2021		Michael Walsh		
10/18/2021		Michael Walsh		Lela Updegrave
10/19/2021		Michael Walsh		Lela Updegrave
10/20/2021		Scott Werner		Lela Updegrave
10/21/2021		Michael Walsh		Lela Updegrave
10/22/2021		Michael Walsh		Lela Updegrave
10/25/2021		Michael Walsh		No Work
10/26/2021		Michael Walsh		Lela Updegrave
10/27/2021		Amy Plesetz		Lela Updegrave
10/28/2021		Michael Walsh		Lela Updegrave
10/29/2021		Michael Walsh	Lela Updegrave	
11/1/2021		Michael Walsh	Lela Updegrave	
11/2/2021		Michael Walsh	Lela Updegrave	
11/3/2021		Scott Werner	Lela Updegrave	
11/4/2021		Michael Walsh	Lela Updegrave	
11/5/2021		Michael Walsh	Lela Updegrave, Kristen Klinefelter	
11/8/2021	Sediment Removal Activities Complete – Routine Annual Maintenance to Begin in 2022	Michael Walsh	Lela Updegrave	
11/9/2021		Michael Walsh	Kristen Klinefelter	
11/10/2021		Amy Plesetz	Kristen Klinefelter	
11/11/2021		Michael Walsh	Lela Updegrave	
11/12/2021		Michael Walsh	Lela Updegrave	
11/15/2021		Michael Walsh	Lela Updegrave	
11/16/2021		Michael Walsh	Lela Updegrave	
11/17/2021		Scott Werner	Lela Updegrave	
11/18/2021		Michael Walsh	Kristen Klinefelter	
11/19/2021		Michael Walsh	Lela Updegrave	
11/22/2021		Michael Walsh	Lela Updegrave	
11/23/2021		Michael Walsh	Lela Updegrave	
11/24/2021		Amy Plesetz	Kristen Klinefelter	
11/25/2021			No Work – Thanksgiving	No Work – Thanksgiving
11/26/2021			No Work – Day After Thanksgiving	No Work – Day After Thanksgiving
11/29/2021			Dawn Garcia	Lela Updegrave
11/30/2021			Dawn Garcia	Lela Updegrave
12/1/2021			Amy Plesetz	Lela Updegrave
12/2/2021			Michael Walsh	Lela Updegrave
12/3/2021			Michael Walsh	Lela Updegrave
12/6/2021			Dawn Garcia	Lela Updegrave
12/7/2021			Dawn Garcia	Lela Updegrave
12/8/2021			Amy Plesetz	Lela Updegrave
12/9/2021			No Work	No Work
12/10/2021			Michael Walsh	Lela Updegrave
12/13/2021			Michael Walsh	Lela Updegrave
12/14/2021			No Work	No Work

Table 1. Monitors Onsite During Work Days.

Date	Construction Monitors	Restoration Monitors (Stillwater)	Restoration Monitors (ICF)
12/15/2021		Scott Werner	Kristen Klinefelter
12/16/2021		Michael Walsh	Kristen Klinefelter
12/17/2021		Michael Walsh	Kristen Klinefelter
12/20/2021		Michael Walsh	Lela Updegrave
12/21/2021		Michael Walsh	Lela Updegrave
12/22/2021		Amy Plesetz	Lela Updegrave
12/23/2021		Scott Werner	No Work
12/24/2021		No Work – Christmas Eve	No Work – Christmas Eve
12/27/2021		Scott Werner	No Work
12/28/2021		Michael Walsh	Lela Updegrave
12/29/2021		No Monitor Needed	No Work
12/30/2021		No Work	No Work
12/31/2021		No Work	Lela Updegrave

2.2 Project Construction Activities

The final day of project demobilization activities occurred during this reporting period (October 1, 2021). A Designated Biologist monitored the final fence installation on this day. The construction monitoring log from this quarter is included in Appendix A.

2.3 Habitat Restoration Activities

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

- Restoration activities continued from October 1, 2021 through December 31, 2021.
- Non-native plants including perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), lamb's quarters (*Chenopodium album*), giant reed (*Arundo donax*), annual ragweed (*Ambrosia artemisiifolia*), brome grass (*Bromus* sp.), riggut brome (*Bromus diandrus*), red brome (*Bromus madritensis ssp. ruberns*), puncturevine (*Tribulus terrestris*), curly dock (*Rumex crispus*), smilgrass (*Piptatherum miliaceum*), red stemmed filaree (*Erodium cicutarium*), common passion flower (*Passiflora caerulea*), wild radish (*Raphanus sativus*), poison hemlock (*Conium maculatum*), petty surge (*Euphorbia peplus*), sedge sp. (*Carex* sp.), tall flatsedge (*Cyperus eragrostis*), eucalyptus (*Eucalyptus* sp.) sprouts, short podded mustard (*Hirschfeldia incana*), pineapple weed (*Matricaria discoidea*), Indian plantain (*Plantago arenaria*), tree tobacco (*Nicotiana glauca*), castor bean (*Ricinus communis*), tree of heaven (*Ailanthus altissima*), fig (*Ficus carica*), lesser swine cress (*Lepidium didymum*), tocalote (*Centaurea melitensis*), star thistle (*Centaurea solstitialis*), Shamel ash (*Fraxinus uhdei*), Jerusalem thorn (*Parkinsonia aculeata*), pigweed (*Amaranthus albus*), tamarisk (*Tamarix* sp.), Himalayan blackberry (*Rubus armeniacus*), annual stinging nettle (*Urtica urens*), sow thistle (*Sonchus oleraceus*), Russian thistle (*Salsola tragus*), Italian thistle (*Carduus pycnocephalus*), scarlet pimpernel (*Anagallis arvensis*), dodder sp. (*Cuscuta* sp.), Jerusalem thorn (*Parkinsonia aculeata*), hounds tongue (*Cynoglossum officinale*), burclover (*Medicago polymorpha*), and cheese weed (*Malva neglecta*), were removed from DG-1, DG-W-1, DG-W-2, DG-W-2 Mining Pit and Mining Pit Outlet DG-2, DG-2 New Channels, DG-2-WOUS, DG-2B, DG-3A, DG-3B, DG-4,

DG-4-WOUS, DG-4A, DG-4B, DG-4 Drainage, DG-4 Sheet flow, DG-5 and DG-8 onsite restoration areas by hand pulling and using small hand tools. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.

- Silt fencing was removed from around DG-3A at Alta Dena drain after hauling operations were complete.

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

3.0 SATISFACTION OF ITP CONDITIONS

All provisions in the ITP were adhered to during Project activities conducted during this reporting period. No non-compliances were documented during this reported period. No direct or indirect take to listed species or Covered Species occurred during this reporting period. The next Quarterly Compliance Report will cover the next reporting period from January 1 to March 31, 2022.

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

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

Table 2. Devil's Gate Mitigation Monitoring and Reporting Program

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
BIOLOGICAL RESOURCES							
MM BIO – 1: A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2021 fourth quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2021 fourth quarter reporting period. See Table 1 for details.
MM BIO – 2: Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	Due to the COVID-19 pandemic, the initial 2021 worker education training was provided for project personnel to view electronically prior to the start of Project activities on April 19, 2021. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2021 fourth quarter reporting period.
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, 3/17/21-3/29/21	Preconstruction surveys for sensitive species were conducted by qualified biologists on March 17, 24, 25, 26, and 29, 2021. Preconstruction least Bell's vireo surveys were completed during the second quarter of 2021 and a preconstruction breeding season least Bell's vireo survey report was submitted to LACPW and included as an appendix to the second quarter compliance report for 2021. No preconstruction surveys took place during the fourth quarter of 2021.
MM BIO – 4: LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established	Final Plans and Specifications; Pre-	Pre-Sediment Removal; Sediment Removal;	Los Angeles County Flood Control District	Less than significant		3/15/19 - 4/14/19, 3/16/20 - 5/19/20,	Preconstruction surveys for nesting birds were completed

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					Initial	Date	Remarks
<p>boundaries of the project.</p> <p>Prior to commencement of sediment removal activities within bird breeding season (March 1-August 31), a preconstruction bird nesting survey shall be conducted by a qualified biologist for the presence of any nesting bird within 300 feet of the construction work area. The surveys shall be conducted 30 days prior to the disturbance of suitable nesting habitat by a qualified biologist with experience in conducting nesting bird surveys. The surveys shall continue on a weekly basis with the last survey being conducted no more than three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.</p> <p>If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.</p>	Sediment Removal; Sediment Removal; Reservoir Management	Reservoir Management				3/1/21 – 4/16/21	during the second quarter of 2021. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project and restoration activities daily during the nesting season in 2021. The fourth quarter reporting period is outside of the nesting bird season.
<p>MM BIO – 5: Within 30 days prior to commencement of vegetation or structure removal activities, a preconstruction bat survey shall be conducted by a qualified biologist for the presence of any roosting bats. Acoustic recognition technology shall be used if feasible and appropriate. If either a bat maternity roost or hibernacula (structures used by bats for hibernation) are present, a qualified biologist will develop and implement appropriate protection measures for that maternity roost or hibernacula. These protection measures shall include, as appropriate: safely evicting non-breeding bat hibernacula, establishment of avoidance buffers, or replacement of roosts at a suitable location. These measures shall also include as appropriate:</p> <ul style="list-style-type: none"> • To the extent feasible, trees that have been identified as roosting sites shall be removed or relocated between October 1 and February 28. • When trees must be removed during the maternity roost season (March 1 to September 30), a qualified bat specialist shall conduct a preconstruction survey to identify those trees proposed for disturbance that could provide hibernacula or nursery colony roosting habitat for bats. • Trees identified as potentially supporting an active nursery roost shall be inspected by a qualified biologist no greater than seven days prior to tree disturbance to determine presence or absence of roosting bats. • Trees determined to support active maternity roosts will be left in place until the end of the maternity season (September 30). • If bats are not detected in a tree, but the qualified biologist determined that roosting bats may still be present, trees shall be removed as follows: <ul style="list-style-type: none"> ○ Pushing the tree down with heavy machinery instead of felling the tree with a chainsaw. ○ First pushing the tree lightly two to three times with a pause of 30 seconds in between each nudge to allow bats to become active, and then pushing the tree to the ground slowly. ○ Allowing the tree to remain in place for 24 to 48 hours until inspected by the qualified biologist for presence or absence of roosting bats. <p>The qualified biologist shall document all bat survey, monitoring, and protection measure activities and prepare a summary report for LACFCD.</p>	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/06/2018 – 11/08/2018	Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2021 fourth quarter reporting period.
<p>MM BIO – 6: Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> • Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub. • Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will 	Reservoir Management • Prepare Habitat Restoration Plan • Identify/Map Mitigation Sites • Install Plant Materials • Monitor Installation	Reservoir Management • Identify Reference Sites • Conduct Qualitative and Quantitative Monitoring • Conduct Maintenance • Implement Adaptive Management Measures, if	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	Restoration activities were continued during the 2021 fourth quarter reporting period.

Table 2. Devil's Gate Mitigation Monitoring and Reporting Program

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
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					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. 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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<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 fourth quarter reporting period. Restoration activities were continued during the 2021 fourth 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 fourth quarter reporting period.</p>

Table 2. Devil's Gate Mitigation Monitoring and Reporting Program

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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: Construction Monitoring Logs

Appendix B: Habitat Restoration Monitoring Logs

APPENDIX A

Construction Monitoring Logs

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Adam Schroeder
Date of Log: October 1, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	4-6 MPH	0 %
End of Day	15:15	91 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Construction Monitoring

Construction Activity:

1. Fence installation.
2. Two work trucks.
3. Three personnel (Ace Fence Co.)

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RLPA, EUST, ACWO, CORA, MODO, CASJ, HOFI, RTHA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrive on site, conducted clearance sweep of the work area.

1250: Monitored installation of permanent chain link fencing at the top of the entrance ramp.

Additional Comments

N/A

Signature





08-01-2021_fence_installation_facingEast.jpg

APPENDIX B

Habitat Restoration Monitoring Logs

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	0 %
End of Day	13:00	90 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 hand pulling poison hemlock and mustard in DG-4 WOUS, crew of 3 removing silt fencing on east side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WCSP, CATH, LEGO, BUSH, RCPA, CAQU, CASJ, CORA, AMCR, ACWO, CALT, SAPH, COHA, WEBL, Desert cottontail, Coyote.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew set up.

0700: Monitored vegetation clearing in DG-4 WOUS. Area was a mulefat grove, with areas between shrubs that had become infested with Hirschfeldia.

0800: Crew was assigned to work on irrigation and cleanup while Daniel Holmes and myself met with Edison about fence placement on the west side and the upcoming renovation of the power poles on the site.

1015: Resumed monitoring vegetation clearing.

1200: Crew began wrapping up pulling earlier than usual to help with transportation of the conex from the east to the west side. I went to the east side and monitored removal of the conex, then monitored the placement onto the west side.

1230: Went back to east side, checked under last few large items to be moved for wildlife, inspected area for garbage.

Additional Comments

N/A

Signature





photo_1-before_pulling_DG-4_WOUS_facingSouth.jpg
-118.17404443333334 34.191840344444444



photo_2-after_pulling_DG-4_WOUS_facingSouth.jpg
-118.17402275 34.191842694444444



photo_3-before_pulling_DG-4_WOUS_facingSouth.jpg
-118.17370504444445 34.191566916666666



photo_4-after_pulling_DG-4_WOUS_facingSouth.jpg
-118.17364305555556 34.19159843333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	70 °F	4-6 MPH	70 %
End of Day	14:55	88 °F	4-6 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 15 hand pulling Cuscuta in DG-W-1, DG-2, DG-2 new channels and DG-2 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, WCSP, CALT, BEWR, AMCR, SOSP, LEGO, NUWO, CASJ, ACWO, BGGN, desert cottontail, ANHU, WREN, RCPA, CATH, CAQU, BLPH, LAGO, BRSP, RTHA, AMKE.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Discussed plan with Foremen and caravanned to east side.

0700: Crew began pulling Cuscuta sp. from container plants it had begun to overwhelm. Started in Johnson field along the western edge. Aside from a few Nicotiana glauca seedlings, area is almost entirely native, with Salix woodland alliance being the dominant vegetation type. Lower areas had high concentration of Bachcharis salicifolia. Areas of high growth were approaching 6 feet.

0800: Crew turned on irrigation, noted that several spots in Johnson field appear to be having low pressure problems.

0845: Crew began moving into channels. Cuscuta was largely confined to the West bank of the channel near the southernmost confluence, so they focused there. Similar vegetation type, with areas of high growth being closer to 8 or 9 feet. Cuscuta infestations in this area were much more severe. Very high bird diversity noted; several firsts for the area observed (LAGO, BRSP). Lots of activity from regular species like CALT/CASJ as well.

1300: Surveyed remaining east side areas for Cuscuta, as it was looking like the crew was going to finish today. No new infestations noted.

1445: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-before_cuscuta_removal_facingSouth.jpg
-118.17229147222223 34.19013944444444



photo_2-after_cuscuta_removal_facingSouth.jpg
-118.17232398611111 34.19014826944444



photo_3-crew_hauling_bags_facingNorthEast.jpg
-118.17224014722223 34.18938645555555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	10 %
End of Day	13:45	79 °F	7-9 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling vegetation in DG-4 WOUS and DG-4 WOUS connections, crew of 4 working on irrigation and trash pickup on the east side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, CASJ, BUSH, BCHU, CALT, SPTO, CATH, MODO, WCSP, DEJU, WEBL, BLPH, NOFL, NUWO, AMCR, ANHU, CAKI, BGGN, COHA, CORA, KILL, SAPH, California ground squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew of 4 was sent to east side to sweep all restoration areas for trash (small bottles, pieces of metal etc.) while crew of 12 gathered tools for weeding on the west side. I surveyed sections of DG-4, DG-4 WOUS connections immediately south of the mining pit.

0700: Monitored vegetation clearing in aforementioned areas. Primary targets were perennial pepperweed and poison hemlock; with numerous mulefat and Salix sp. flanking open areas. First observation of a northern flicker on site for the season.

0800: Walked channels to see if there was evidence of water flow from last night's thunderstorm. Found none. An estimated to 30 snags fell over in the mining pit because of wind.

0830: Resumed monitoring vegetation clearing. Talked with crew about avoiding snapping mulefat twigs.

1200: Noticed new growth in the bottom of the flood basin. Investigated, it appeared to mostly be Chenopodium album. Noticed 3 tamarisk seedlings on slopes of basin.

1205: Weeding crew moved into DG-4 WOUS to the southeast to clear mustard.

1335: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-before_pulling_DG-4_WOUS_connections_facingNorth.jpg
-118.17425638888889 34.19227202777776



photo_2-after_pulling_DG-4_WOUS_connections_facingNorth.jpg
-118.17422416666668 34.19227340277777



photo_3-before_pulling_DG-4_WOUS_facingWest.jpg
-118.17345208333334 34.19151647222222



photo_4-after_pulling_DG-4_WOUS_facingWest.jpg
-118.17358241666668 34.19153672222222

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Date of Log: October 6, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	58 °F	0-3 MPH	100 %
End of Day	14:30	72 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of about 12 (6 temps, 6 NI employees), Daniel Holmes foreman, hand-pulling weeds on the west side.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, AMCR, CASJ, CALT, CAQU, RCPA, SPTO, ANHU, WCSP, SOSP, HOFI, ACWO, NUWO, BGGN, BLPH, YRWA, NOFL, DEJU, BEWR, CAKI, western fence lizard, coastal whiptail. Possible mountain lion scat on trail near parking lot at 34.192778°N 118.174941°W; hairy; seems too large for coyote, unlikely to be black bear; SAPH, CORA, side blotched lizard, Woodrat middens, RTHA.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645 work crew meets in main dumpster/parking area on west side, discusses work to be done, grabs tools, heads due east toward edge of restoration zone. They are pulling/hoeing poison hemlock, Hirschfeldia mustard and others in willow/mule fat forest of DG-4 and future DG-4 WOUS. Understory away from mule fat is already fairly sparse, and weeds are well dried out at this point in season. Some recent moisture on ground after rain on Monday, foggy morning. The work is fairly spread out which works fine outside of nesting bird season. Several workers are getting a few of large castor bean shrubs growing on the newly established sandy reservoir bank. Some workers eventually move southward along edge of reservoir and back into open DG-4.

Additional Comments

N/A

Signature





photo_1_hand-pulling_DG-4_WOUS_facingSouthEast.jpg
-118.1737767222223 34.19164884722222



photo_2_hand-pulling_DG-4_facingNorthEast.jpg
-118.17455883333334 34.19049998333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	58 °F	4-6 MPH	100 %
End of Day	14:25	64 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling perennial pepperweed and Parkinsonia aculeata in DG-4/DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, ACWO, NUWO, WREN, RCPA, LEGO, COHA, AMCR, NOFL, GBHE, YRWA, OATI, RTHA, CORA, BEWR.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed DG-4/DG-4A near the south side of the boulder field.

0655: Monitored vegetation clearing in aforementioned areas. Primary target was perennial pepperweed, which was sprouting from the planting basins. Low bird activity.

0845: Noticed more Parkinsonia aculeata seedlings in the planting basins. Gathered crew to show them what they looked like, assigned 2 to work on pulling them.

1215: Supervised use of a chainsaw. Eucalyptus tree branch had fallen onto some container plants. By now crew was well into the section of DG-4 south of the boulder field.

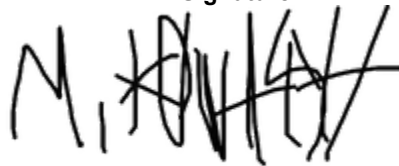
1300: Surveyed surrounding areas for possible weeding work.

1415: Crew began wrapping up pulling for the day.

Additional Comments

N/A

Signature





photo_1-before_pepperweed_removal_DG-4_facingWest.jpg
-118.17519291666667 34.1906245



photo_2-after_pepperweed_removal_DG-4_facingWest.jpg
-118.17519153611111 34.19063825



photo_3-pre_pepperweed_removal_DG-4A_facingSouth.jpg
-118.1751766 34.1906465555555



photo_4-post_pepperweed_removal_DG-4A_facingSouth.jpg
-118.17502819444445 34.1904916805555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	4-6 MPH	100 %
End of Day	14:38	64 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock in DG-4/DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, BGGN, CATH, RCPA, GBHE, AMCR, BEWR, RSHA, WCSP, HOFI, MODO, CASJ, CAQU, WREN, ANHU, OCWA, ACWO, NOMO, COHA, CEDW, NUWO, BUSH, RNSA, CORA, CAKI, California ground squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed DG-4/DG-4A south of the boulder field while crew mobilized.

0655: Monitored vegetation clearing in aforementioned area. Primary target was perennial pepperweed. Poison hemlock starting to sprout, still just cotyledons. Light rain for first few hours; crew worked through it.

0930: Went to east side to inspect area for trash and surveyed the area for the final 2 sign posts.

1030: Resumed monitoring vegetation clearing. Lots of bird activity on site.

1200: Surveyed nearby areas for weeds. Identified potential work in DG-4B.

1400: Escorted foreman Daniel Holmes across the north end of the site with the excavator.

1430: Crew began wrapping up pulling for the day, hauled tarps.

Additional Comments

N/A

Signature





photo_1-before_removing_pepperweed_facingWest.jpg
-118.1754060000001 34.19025201944444



photo_2-after_removing_pepperweed_facingWest.jpg
-118.17541701666667 34.19029185277776



photo_3-before_removing_pepperweed_facingSouth.jpg
-118.1753418500001 34.1902374805555



photo_4-after_removing_pepperweed_facingSouth.jpg
-118.17532219444445 34.19025058333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	14:45	66 °F	10-12 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures image crew of 10 hand pulling nonnative plants in DG-4/DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RCPA, AMCR, CALT, CASJ, DEJU, CORA, CATH, LEGO, RSHA, WTSW, BGGN, BLPH, BEWR, SOSP, ACWO, NOFL, PUF1, ANHU, EUST, WEBL, MODO, BUSH, WBNU, OATI, CAQU, CAKI, RTHA, YRWA, WCSP, desert cottontail, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew set up and gathered tools while I surveyed work area.

0655: Monitored vegetation clearing near north and west sides of the twin boulder field. Primary target was perennial pepperweed, which was growing between container plants and in planting basins in a Salix woodland alliance.

0730: Found Arundo donax north of boulder field in DG-4. Assigned 2 crew members to cut/dig it out. Half of the infestation could not be removed because it was rooted in a Woodrat midden, these were cut just above the start of the midden and the roots had to be left in place.

0800: Taught crew to identify Euphorbia peplas and had them remove it.

0900: Surveyed channels for signs of mountain lion, of which scat had possibly been found last week. Found nothing.

1300: Discovered a path leading into the very large poison oak thicket next to the twin boulder field. It appears that a recent trespasser attempted to build a teepee lodged in the poison oak unknowingly. They tunneled through it, breaking what was likely several thousand twigs. It looked large enough to have been dug out by a bear. Found a recent human footprint.

1430: Crew began wrapping up, I walked site with foreman Didier Ramos and discussed plan for next day.

Additional Comments

N/A

Signature





photo_1-pre_weed_removal_DG-4_facingWest.jpg
-118.17559641666666 34.19098751111111



photo_2-post_weed_removal_DG-4_facingWest.jpg
-118.17562286111112 34.19100406944444



photo_3-before_arundo_removal_DG-4_facingNorth.jpg
-118.17494180555556 34.19149958333333



photo_4-after_arundo_removal_DG-4_facingNorth.jpg
-118.17492687777778 34.19150566666664

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	7-9 MPH	0 %
End of Day	14:45	70 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 20 hand pulling perennial pepperweed and other nonnatives in DG-4 on the north side of the site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, CALT, RCPA, AMCR, WCSP, BEWR, LEGO, CASJ, CATH, MODO, BGGN, ACWO, HOFI, HETH, RTHA, ALHU, CAKI, TUVU, AMKE, WTSW.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew gathered tools and got ready.

0655: Monitored vegetation clearing in DG-4 near the coastal sage scrub area. Crew was working adjacent to the basin in a planted area mostly composed of 8 foot high mulefat. Active coyote den nearby- reminded crew to avoid by at least 50 feet. Found Ambrosia artemesiaefolia; the nonnative ragweed. Had crew remove a thicket of it near the parking lot.

1200: Crew began making it to northern end of planted area, progressed north.

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

Additional Comments

N/A

Signature





photo_1-pre_pulling_DG-4_facingNorth.jpg
-118.1722135277779 34.19381724999995



photo_2-post_pulling_DG-4_facingNorth.jpg
-118.17222733888889 34.19381925



photo_3-pre_pulling_DG-4_facingEast.jpg
-118.17220100833333 34.19376133333333



photo_4-post_pulling_DG-4_facingEast.jpg
-118.172211 34.19376558333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Date of Log: October 13, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	10 %
End of Day	15:15	75 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Veg clearing in DG4 and DGW2 on the west side (northern) Hand tools, tarps, rakes Fourteen total crew members includes: Natures Image main crew, temp crew, Riverside Co NI crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, ACWO, SOSP, BEWR, RCPA, CALT, MODO, ANHU, CORA, COHA, OATI, BUSH, SPTO, TUVU, EUST, DOWO, Tiger Whiptail, YRWA, PSFL, WCSP, BGGN, NUWO, CAKI, RNSA, LEGO, NOFL, CAQU, tiger whiptail.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Crew weeded on the west side DG4 and DGW2 using hand tools and hands crews removed mostly dead poison hemlock.

0730: Spoke to a couple of relatively new people to the project about not removing woodrat middens/houses-keeping these intact.

1200: Similar activities took place after lunch.

1515: Biologist completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Spoke to a Surveyor from the Los Angeles County Agriculture Commission. Notified Supervisor Margie

Signature





Vegetation_removal_during_facingNorthEast.jpg
-118.17474713888889 34.19327683333333



Removal_during_facingWest.jpg
-118.17426718333334 34.19348833333333



Vegetation_removal_after_facingSouth.jpg
-118.17457061111112 34.19352405555555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	0 %
End of Day	14:40	77 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 17 working on weed and snag removal in DG-W-2 mining pit and DG-W-2 mining pit outlet.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, COYE, DEJU, CASJ, RCPA, AMCR, LASP, CALT, NOFL, BUSH, WEBL, OATI, desert cottontail, western fence lizard, common side blotched lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew gathered tools and mobilized. Tailgate meeting about safety with falling snags and how to recognize live bark beetles.

0700: Crew began working on removing downed willow snags in the mining pit that were on container plants. Over the last 2 weeks, several windstorms had knocked down numerous (30+) snags. Due to their size, most landed on container plants. Snags were chopped with an axe, saw, or snapped with body weight due to red flag conditions. Once removed from container plants, the remaining segments were laid on bare ground in the mining pit with the hope that it would become useful microhabitat to amphibians etc. as the wood decayed. In situations where that was not feasible, they were stacked. None were removed from the mining pit.

0900: Most snags has been dealt with, 8 crew members began doing detail work removing perennial pepperweed and fixing misshaped planting basins in the mining pit. Not much bird activity aside from usual CASJ/WCSP but did observe a lark sparrow foraging near the perimeter trail.

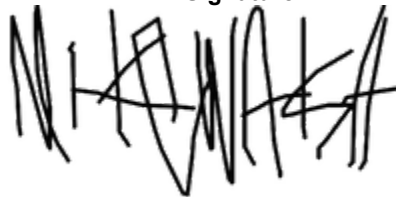
1230: All snags had been taken off container plants. No crew member ended up finding any live/dead bark beetles during the removal process. Monitored vegetation clearing. Several crew members began edging south into the mining pit outlet channel.

1430: Crew began wrapping up while I inspected the site.

Additional Comments

N/A

Signature





photo_1-snag_on_container_plant_facingNorth.jpg
-118.17448959722223 34.19280272222222



photo_2-pre_pepperweed_removal_facingNorth.jpg
-118.17443794444445 34.19288871111111



photo_3-post_pepperweed_removal_facingNorth.jpg
-118.17458288888889 34.19286383333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	4-6 MPH	0 %
End of Day	14:45	86 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling perennial pepperweed in DG-4/DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SOSP, RCPA, AMCR, WREN, HOFI, BUSH, CALT, DEJU, OATI, YRWA, ACWO, WEBL, WCSP, LASP, LEGO, ANHU, BEWR, CORA, CAQU, RCKI, BLPH, CATH, AMKE, NOFL, ALHU, California ground squirrel, coyote.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew began setting up while I surveyed the work area.

0655: Monitored vegetation clearing in DG-4A near the "primrose" area, which is an open field flanked by Salix woodland. The primary target in this area is pepperweed. Roots were dug out to the best of the crew's ability to prevent resprouting. Noted a pair of CATH courting in DG-5. Encountered 6 coyotes near the inactive YEWA-3 nest. They did not run off like they usually do, which is strange given I noticed them from 30 feet away. Told crew to avoid that area. 2 were pups.

0900: 4 crew members began cutting fig trees in DG-4 by hand (due to red flag conditions).

1200: Surveyed nearby areas for potential work. Found lots of Fraxinus uhdei seedlings. Noted first RCKI of season.

1330: Took bi-weekly photo points of site.

1430: Crew wrapped up pulling and I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_pepperweed_removal_facingNorth.jpg
-118.17687148611111 34.18969448888888



photo_2-post_pepperweed_removal_facingNorth.jpg
-118.17687377777779 34.18969939722222



photo_3-pre_pepperweed_removal_facingNorth.jpg
-118.17691868055556 34.18983936944444



photo_4-post_pepperweed_removal_facingNorth.jpg
-118.17698408333334 34.18984119444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 18, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	62 °F	0-3 MPH	100 %
End of Day	15:00	64 °F	0-3 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Vegetation clearing of invasive weeds. Species include: lambs quarters, tumbleweed, pepper weed, Bromus sp., puncture vine, mustard sp.
2. Hand weeding and two line trimmers.
3. Gothic Landscaping. Crew of 12. Scott Rose crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BIRDS: CATH, WCSP, CALT, BLPH, SOSP, AMCR, BUSH, OATI, ACWO, YRWA, CASJ, CORA, NOFL, LEGO, BGGN.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0800: WEAP training presentation.

0900: Biologist did site sweep of work area DG-3A (east side). Target species identified with crew.

0930: Monitored invasive species vegetation removal.

1200: Break for lunch.

1230: Work continues in DG-3A. Only hand pulling for the remainder of the day.

1400: Crew moves work to west side of DG-3A.

1500: Work ends for day.

Additional Comments

Light drizzle throughout the day.

Signature

Lela Updegrave



Invasive_vegetation_removal_DG-3A_facingEast.jpg
-118.17307750833334 34.18756568888889



Invasive_vegetation_removal_during_facingWest.jpg
-118.17308345833334 34.18736452222222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	4-6 MPH	100 %
End of Day	14:38	64 °F	7-9 MPH	55 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 hand pulling perennial pepperweed in DG-4B.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RCPA, BUSH, CALT, WREN, ACWO, AMCR, CORA, BLPH, CATH, BGGN, OATI, WCSP, LEGO, NUWO, CAQU, CASJ, YRWA, SOSP, CAKI, WEBL, WBNU, DEJU, NOFL, coyote, western fence lizard, western toad.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site. It was raining, so crew waited in cars while I surveyed the site. Found no evidence of flow through the channels. WEEP trained a new employee.

0715: Monitored vegetation clearing in DG-4B. Primary target was perennial pepperweed and mustard. Area was a planted Salix woodland alliance with vegetation ranging from 6-9 feet high. Nonnative cover was scattered but persistent throughout DG-4B.

1000: Rain started coming down hard, crew went to cars for 15 minutes to wait it out.

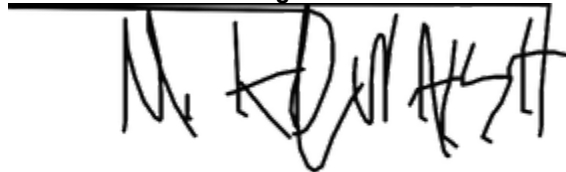
1015: Resumed monitoring vegetation clearing.

1430: Crew began wrapping up pulling while I inspected the site and picked up trash.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removal_DG-4B_facingSouthEast.jpg
-118.1749120638889 34.19217148611111



photo_2-post_vegetation_removal_DG-4B_facingSouthEast.jpg
-118.17496840833334 34.19217856666666



photo_3-crew_removing_cleared_vegetation_facingNorthEast.jpg
-118.1752525388889 34.1924595

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 19, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	10 %
End of Day	15:00	69 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Shovels and hoes used.
3. Gothic Landscaping. Crew of 11, plus Scott Rose as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: SOSP, AMCR, LCPA, CALT, WCSP, YRWA, ANHU, LEGO, BUSH, CASJ, TUVU, NOFL

Reptiles: Western fence lizard

Mammals: Brush rabbit

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Meet on-site.

0700: Tailgate safety/natural resources meeting.

0720: Begin site sweep of DG-3A and DG-3B. Crew begins work in cleared areas. Target species include: mustard, lambs quarters, tumbleweed, pepper weed. Biologist monitors work progress.

0800: Porta potty arrives on site. Biologist inspects area for natural resources before installation.

1115: Crew finds carcasses of four baby rats in DG-3B which were potentially killed by a male rat or another small animal. The carcasses appear at least a day old. It does not appear these deaths were work related.

1200: Crew breaks for lunch.

1230: Crew begins work on side slope area toward dam.

1430: Crew stop vegetation clearing and haul waste vegetation to dumpsters.

1500: Crews end work for the day. Approximately 0.7 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-3B_facingWest.jpg
-118.17335218333334 34.186875816666664



Invasive_species_removal_SideslopeEast_facingNorthEast.jpg
-118.17439304722222 34.18580926111111

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	14:30	66 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 17 hand pulling perennial pepperweed, poison hemlock and mustard in DG-4, DG-4 sheetflow, and DG-4B.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, WREN, RCPA, AMCR, NOFL, WCSP, EUST, BUSH, ACWO, DEJU, CALT, YRWA, WEBL, WBNU, LASP, OATI, BEWR, RTHA, CORA, RCKI, California ground squirrel, common side blotched lizard, western fence lizard, MODO.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4B. Crew continued work pulling pepperweed and mustard in yesterday's area, moving to the far south and north ends of DG-4B. Found some Cuscuta sp. on a few container plants, had crew remove it. Very cold- minimal bird activity at start of day.

0730: Checked in on OC crew, who was working nearby in DG-4 also removing pepperweed. Switched between these 2 groups on and off for the day.

0900: Surveyed nearby areas for potential work. Noted some weed growth in DG-4 sheetflow; told crew to move in that direction when finishing up with DG-4B.

1200: All of regular crew had moved into DG-4 sheetflow, while OC crew was still nearby in DG-4.

1420: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_pulling_DG-4_sheetflow_facingSouthWest.jpg
-118.17614161111112 34.19136911111111



photo_2-post_pulling_DG-4_sheetflow_facingSouthWest.jpg
-118.17614 34.191323174999994



photo_3-pre_cuscuta_removal_facingSouthEast.jpg
-118.17549541666668 34.19182327777777



photo_4-post_cuscuta_removal_facingSouthEast.jpg
-118.17558050000001 34.19182284444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Company: Stillwater
Date of Log: October 20, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	49 °F	0-3 MPH	0 %
End of Day	14:45	75 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 workers hand-pulling on west side, Daniel Holmes foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

YRWA, WCSP, NOFL, ACWO, HOFI, WREN, CASJ, CALT, NUWO, SOSP, LEGO, BUSH, ANHU, AMCR, RCKI, fox squirrel, Ca ground squirrel, side-blotched lizard, western fence lizard, CORA, BGGN, RSHA. One worker saw a bobcat in Mining Pit outlet upon returning from lunch. CAKI, BLPH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew stages in main dumpster parking lot, heads south to DG-4 around DG-4-Sheetflow. Group is fairly spread. Some tree of heaven next to DG-5 is being cut. Site is still dry overall, a few hemlock sprouts here and there, some Hirschfeldia that may or may not be dead are being pulled. Watered areas do have some larger weeds.
1200: I met two LA County Dept of Agriculture employees inspecting trees for invasive shothole boring beetles. (Ishb.org, Rachel Burnap, 213-377-7872, rburnap@acwm.lacounty.gov.) She wanted us to be aware of the potential occurrence in trees with dbh > 4 inches especially if cutting trees and I said that we were focused on the weeds, along with some smaller trees of heaven. Crews continue to work toward South West and edge of willow woodland as DG-4 meets DG-4A. Tarps are being removed using a bobcat quad while staging from the open area on the south side of DG-5.

Additional Comments

N/A

Signature





photo_1_hand-pulling_DG-4_facing_SouthWest.jpg
-118.17612836111111 34.19075998888885



photo_2_hand-pulling_DG-4_facing_SouthWest.jpg
-118.17636580555556 34.19057826944444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 20, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	52 °F	0-3 MPH	0 %
End of Day	15:05	73 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 10 plus Scott Rose as foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: SOSP WCSP BLPH RTHA LCPA NUWO NOFL YRWA CALT CORA HOFI BUSH KILL CAQU Reptiles:
Western fence lizard Mammals: Coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700: Arrive on site.
0715: Begin safety tailgate/natural resources meeting.
0730: Biologist conducts site sweep within work area.
0740: Crew begins work for the day in the southern side slope areas. Main target species include Russian thistle, lambs quarters, mustard, pepper weed, castor bean and sow thistle.
0900: Crew takes break.
0915: Crew returns to work inside slope areas. Biologist monitors.
1200: Break for lunch.
1230: Crew begins work on side slopes and DG-3B.
1430: Crew stops vegetation clearing to haul weeds to dumpster.
1500: Crew ends work for the day. Approximately 2.85 acres cleared today.

Additional Comments

N/A

Signature





Invasive_vegetation_removal_Sideslope_facingWest.jpg
-118.173938 34.18606960277778



Invasive_vegetation_removal_Sideslope_facingEast.jpg
-118.17377672222223 34.18755408333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 21, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	53 °F	4-6 MPH	20 %
End of Day	15:30	80 °F	4-6 MPH	35 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 10 plus Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: SOSP, WCSP, BLPH, LCPA, NOFL, YRWA, CALT, CORA, CATH, WREN, ACWO, CASJ, HOFI, ANHU, HUVI WAVI

Mammals: California ground squirrel, fox squirrel

Reptiles: Western fence lizard, coastal whiptail.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700: Arrive on site.

0715: Begin safety tailgate/natural resources meeting.

0730: Biologist conducts site sweep within work area (side slope east).

0740: Crew begins work in the eastern side slope areas. Main target species include Russian thistle, lambs quarters, mustard, and pepper weed. Biologist gives WEAP training to one new crew member.

0900: Crew takes break.

0915: Crew returns to work in side slope areas. Biologist monitors.

1000: Crew begins work within DG-3A and DG-3B. Two crew members work in DG-2 and DG-2 WOUS. Main target species include: Russian thistle, pepper weed, mustard, and non-native grasses.

1200: Break for lunch.

1230: Crew returns to work on side slope areas.

1330: Crew moves to work on northern portions of DG-3A.

1500: Crew stops work and hauls vegetation to dumpster. Approximately 0.6 acres completed.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-2_facingNorth.jpg
-118.17289050555556 34.18861954444444



Invasive_species_removal_DG-3B_facingNorthEast.jpg
-118.17309343333334 34.18785955555555



Invasive_species_removal_DG-3A_facingNorth.jpg
-118.172768888889 34.1878041527777

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Date of Log: October 21, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	14:30	80 °F	4-6 MPH	15 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 19 hand pulling perennial pepperweed and poison hemlock in DG-4 and DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, AMCR, BUSH, ANHU, RCPA, DOWO, WCSP, CASJ, CAQU, OATI, YRWA, ACWO, EUST, LEGO, HOFI, WTSW, KILL, RSHA, BCHU, SOSP, BEWR, DEJU, WEBL, WREN, fox squirrel, California ground squirrel, desert cottontail, coyote, western fence lizard, common side blotched lizard, NOFL.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Inspected site while crew set up.

0655: Monitored vegetation clearing in DG-4 and DG-4 sheetflow. Crew worked in the planted sites near the perimeter trail and in between a grove of mulefat nearby that had not been cleared out yet. Primary target was perennial pepperweed and dried poison hemlock which had not dropped seed yet.

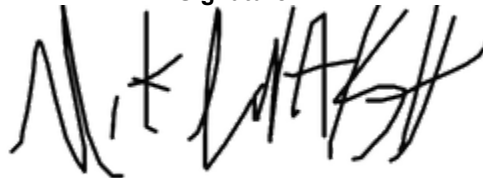
0900: Surveyed far southern end of the site (DG-4). Area had a lot of pepperweed seedlings and resprouts. OC crew (8 people) worked down there. Throughout the day I switched between monitoring the two crews.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_pulling_DG-4_facingEast.jpg
-118.17642575 34.191218388888885



photo_2-post_vegetation_pulling_DG-4_facingEast.jpg
-118.17643336111112 34.1912216027777



photo_3-pre_vegetation_pulling_DG-4_facingNorth.jpg
-118.17657790277778 34.19125566666666



photo_4-post_vegetation_pulling_DG-4_facingNorth.jpg
-118.17655185000001 34.19124025

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 22, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	52 °F	0-3 MPH	40 %
End of Day	13:00	72 °F	0-3 MPH	60 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 11 plus Scott Rose as foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: SOSOP, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, ANHU, HUVI, RCKI, HOFI, BUSH, RNSA, FOSP,
Reptiles: Western fence lizard, coastal whiptail.
Amphibians: Western toad.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700: Arrive on site.

0730: Begin safety tailgate/natural resources meeting.

0745: Crew begins work in DG-2, DG-2B and DG-2 WOUS. Crew is keeping more spread out today to avoid impacts to native species. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0930: Crew takes break.

0945: Crew returns to work in DG-2, DG-2B and DG-2 WOUS. Biologist monitors.

1100: Biologist finds remains of a sharp-shinned hawk in DG-2. The kill appears to be at least a few days to a week old. The kill appears naturally predated (possibly a bobcat) and is not likely work-related.

1135: Biologist observed potentially active coyote den in DG-2.

1230: Break for lunch.

1300: Crew ends for the day. Approximately 2.15 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-2_facingSouthWest.jpg
-118.1722073805556 34.1895451944444



SSHA_predation_facingEast.jpg
-118.17197511944445 34.1900004166666



Coyote_den_facingSouth.jpg
-118.17237979722222 34.18996584722222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	4-6 MPH	20 %
End of Day	14:30	70 °F	4-6 MPH	60 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image regular crew of 12 hand pulling nonnative plants in DG-4 (in both the central and southern parts of the site), DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ACWO, WREN, BEWR, CALT, CASJ, LEGO, SPTO, SOSP, WCSP, ANHU, HOFI, DEJU, NOFL, HETH, TUVU, CAQU, western fence lizard, desert cottontail.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Inspected site while crew set up. DG-4 and DG-4 sheetflow, where the crew left off yesterday, had mostly been finished but a little was left.

0655: Monitored vegetation clearing in the aforementioned areas. Crew mostly focused on removing perennial pepperweed resprouts, with some attention paid to Bromus diandrus that had begun growing in planting basins.

0930: Crew began wrapping up to move to the far southern corner of the site, DG-4. Primary target was perennial pepperweed and poison hemlock.

1130: 2 crew members were assigned to irrigation work.

1230: Irrigation crew members found a willow tree about 300 feet east of the main parking area which a large part of had recently fallen onto our plantings, possibly within the same day. Monitored removal and piecing of logs with a chainsaw. Large logs were laid out on shaded ground over leaf litter with the hope that invertebrates and herps would utilize this as habitat. Small twigs and branches (which were still alive) were lopped off and staked into empty planting basins.

1315: Resumed monitoring vegetation clearing. Crew focused on removing Himalayan blackberry resprouts from the root.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_weeding_DG-4_facingSouth.jpg
-118.17621221111112 34.191073499999995



photo_2-post_weeding_DG-4_facingSouth.jpg
-118.17623612777778 34.19107555555555



photo_3-pre_weeding_DG-4_facingSouth.jpg
-118.17723275 34.187719011111106



photo_4-post_weeding_DG-4_facingSouth.jpg
-118.17726072222223 34.18769737222222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	7-9 MPH	100 %
End of Day	11:05	54 °F	7-9 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 16 hand pulling perennial pepperweed and Passion flower, using a chainsaw to cut a fig tree in DG-4 on the southern part of the site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RCPA, DEJU, CALT, desert cottontail, ACWO, OATI, WREN, AMCR.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, must like precipitation occurring. Inspected site while crew set up/gathered tools etc.

0700: Crew was working in a Salix woodland adjacent to the perimeter trail just south of the last DG-4A clearing.

Foreman Didier Ramos was using a chainsaw to remove a very large fig tree (8-10 small trunks with 6 in basal diameter growing from a single point) growing amongst the willows while other crew members relayed logs to the bobcat for offloading. Several crew members worked on removing pepperweed and mustard seedlings nearby.

0845: Precipitation increased, crew waited in their car for 15 minutes.

0900: After precipitation slowed, crew continued. By now the Fig was fully cut down, most crew were working on removing Passion flower nearby which was blanketing the willows. 2 crew members proceeded to dig out what they could of the fig. Roots were surprisingly shallow, so they continued.

1040: Crew went to their cars to wait out heavy precipitation again.

1055: Foreman Daniel Holmes sent all crew members home due to rain. Forecast predicted it would become increasingly heavy for the rest of the day. Several stayed behind to turn off irrigation for water conservation while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_fig_removal_facingWest.jpg
-118.1774456555556 34.18956703611111



photo_2-post_fig_removal_facingWest.jpg
-118.17726863888889 34.189439630555555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	50 %
End of Day	14:25	66 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling perennial pepperweed and poison hemlock in DG-W-2 mining pit and adjacent in DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, WCSP, SOSP, CATH, AMCR, CORA, RCPA, CALT, MALL, CANG, KILL, BGGN, YRWA, GREG, coyote, CASJ, CAQU, OATI, MODO, SPTO, DEJU, ACWO, NOFL, BEWR, NUWO, Bobcat, western fence lizard, common side blotched lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, held a tailboard meeting with crew about the days work.

0655: Monitored vegetation clearing in the mining pit. Crew mostly removing pepperweed seedlings, with some scattered lesser swinecress (*Lepidium didymum*). Area has required numerous retreatments due to recent weather events combined with what I suspect is an abundance of subsurface water in this area. 2-3 crew members adjacent in DG-4 at the south end of the mining pit. This area was primarily just dried pepperweed which still had seeds around the edges of *Baccharis salicifolia* plants. Walked around making sure crew was removing the right plants.

0740: Walked to border of basin to see how much water had collected during yesterday's rain event. While in a fairly isolated area, I encountered a coyote. It did not seem to be afraid of humans and briefly followed me at about 15-20 feet. Possibly habituated to using humans as a source of food, advised crew to avoid.

0800: Resumed monitoring vegetation clearing.

1030: Photographed evidence of water flow into the new channel connecting the southern terminus of the mining pit outlet to DG-4 drainage.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_pulling_DG-4_facingSouthWest.jpg
-118.17443833333334 34.19270594444444



photo_2-post_pulling_DG-4_facingSouthWest.jpg
-118.17443813888889 34.19267041666665



photo_3-pre_pulling_Mining_pit_facingWest.jpg
-118.17427470277778 34.192943513888885



photo_4-post_pulling_Mining_pit_facingWest.jpg
-118.17425075 34.19289802777777

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 26, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	48 °F	0-3 MPH	10 %
End of Day	14:45	72 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Scott Rose as foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: SOSP, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, HOFI, BUSH, AMPI, KILL, OATI, CAKI, CANG, MALL

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0700: Arrive on site.

0715: Walk down to staging area to check for mud.

0730: Begin safety tailgate/natural resources meeting.

0745: Biologist gives WEAP training to two new crew members. Crew begins work in DG-2. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0930: Crew takes break.

0945: Crew returns to work in DG-2. Biologist monitors.

1200: Break for lunch.

1230: Crew returns to work in DG-2.

1445: Crew stops work. Approximately 2 acres cleared today.

Additional Comments

Water in the reservoir near dam after rain event.

Signature





Invasive_species_removal_DG-2_facingNorthWest.jpg
-118.1715031388889 34.190386749999995

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 27, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	10 %
End of Day	15:00	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Scott Rose as foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: ANHU, AMPI, BEWR, SPTO, ACWO, BLPH, SOSP, WCSP, LCPA, NOFL, YRWA, CALT, CATH, CASJ, HOFI, BUSH, KILL, OATI, HUVI, CAKI, CORA, AMCR

Mammals: coyote

Reptiles: Western fence lizard, side-blotch lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Biologist gives WEAP training to one new crew member. Crew begins work in Johnson Field. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0915: Crew takes break.

0930: Crew returns to work in Johnson Field. Biologist monitors.

1200: Break for lunch.

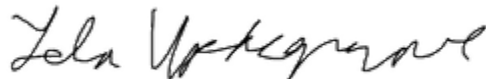
1230: Crew returns to work in Johnson Field.

1445: Crew ends work for the day. Approximately 2.5 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_JohnsonField_facingSouthEast.jpg
-118.1717467972223 34.19139755555554

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Company: Stillwater
Date of Log: October 27, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	10 %
End of Day	15:15	77 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Veg clearing in DG4 and DGW2 (Mining Pit) located on the west side (northern) Hand tools, tarps, rakes Twelve total crew members includes: Natures Image main crew, temp crew, other NI crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, ACWO, SOSPO, BEWR, RCPA, CALT, MODO, CORA, COHA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, BGGN, CAKI, NOFL, CAQU, EUCD, WREN, SPTO, ANHU, HOFI, RCKI, OATI, coyote (vocalizing),

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

6:45: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Myself and foreman's noticed trash bags ripped out with trash spread out everywhere near dumpsters. Likely caused my wildlife (coyote tracks). Crew weeded on the west side DG4 and DGW2 (Mining Pit) using hand tools and hands crews removed mostly young veg stage poison hemlock and perennial pepper weed. The soil remained saturated from recent rains from Monday. Looked through tarped piles of removed plant to ensure crews were removing correct species.

12:00 Similar activities took place after lunch.

15:15: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Before work, noticed trash spread out around dumpster. Likely coyotes (only coyote tracks observed) were the culprit. LA County groundskeepers cleaned up trash near the dumpster before end of day.

Signature





Vegetation-_removal_mining pit_facingNorth.jpg
-118.1736437388889 34.19359177777776



Vegetation_tarp_after_facingWest.jpg
-118.17356384444444 34.19349423888889



Vegetation_tarping_during_facingWest.jpg
-118.1736292222223 34.19367369444444

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	0 %
End of Day	14:45	86 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 hand pulling perennial pepperweed in DG-4A, crew of 2 from OC working on irrigation elsewhere.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WCSP, RCPA, CANG, AMCR, NOFL, MALL, RTHA, HOFI, CASJ, CALT, ACWO, CAKI, WREN, CAQU, MODO, BUSH, LEGO, SPTO, western toad, KILL, BEWR, BGGN, NUWO, AMKE, OATI, WEBL, YRWA, WTSW, CITE, western fence lizard, common side blotched lizard, California ground squirrel, SAPH.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0700: Monitored vegetation clearing in DG-4A south of the boulder field (adjacent to the now-inactive YEWA_3 nest). Crew was using a mix of trowels and trenching shovels to take out the tubers of pepperweed. Found Ceanothus leucoderma on the western basin slope adjacent to crew.

0730: 2 crew members from OC were assigned to work on irrigation checks. The wildlife has been particularly active at biting into the lines the last few weeks. Checked in with them a few times throughout the day.

1400: Crew began wrapping up pulling for the day. Took the bi-weekly photo points throughout the site.

Additional Comments

N/A

Signature





photo_1-pre_pepperweed_removal_facingNorthEast.jpg
-118.17567841666667 34.18986752777777



photo_2-post_pepperweed_removal_facingNorthEast.jpg
-118.17565578888889 34.189842972222216



photo_3-crew_in_progress_DG-4A_facingNorthWest.jpg
-118.17576858333334 34.18985783333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 28, 2021

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

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 12 plus Juan Olemos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: ANHU, ACWO, BLPH, WCSP, LCPA, NOFL, YRWA, CALT, CASJ, HOFI, BUSH, OATI, CAKI, CORA, AMCR, RNSA, CAGO, CACG, MALL, RCKI, DEJU, SSHA

Mammals: California ground squirrel

Reptiles: Western fence lizard, side-blotch lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work in Johnson Field. Main target species include mustard, hounds tongue, tree tobacco, poison hemlock, pepper weed and non-native grasses. Biologist monitors removal of species.

0900: Crew takes break.

0915: Crew returns to work in Johnson Field. Biologist monitors.

1100: Crew finishes Johnson Field and moved south to DG-2.

1200: Break for lunch.

1230: Crew returns to work in DG-2.

1325: Crew member finds an immature rattlesnake in DG-2. The snake was reportedly about 10 inches long. The rattlesnake retreated into a nearby wood rat midden.

1355: Crew member identifies another immature rattlesnake in DG-2, approximately the same size as the first snake (10 in). Snake retreats into woody debris under willow tree.

1445: Crew ends work for the day. Approximately 1.5 acres cleared today.

Additional Comments

N/A

Signature





photo_1_crew_pulling_invasive_weeds.jpg
-118.1720964888889 34.19140606666666



Invasive_species_removal_DG-2_facingSouth.jpg
-118.1719324555556 34.190015341666665



Rattlesnake_sighting_location_DY-2_facingNorth.jpg
-118.17254081388889 34.189576213888884



Rattlesnake_sighting_location2_DG-2_facingNorthEast.jpg
-118.17240125000001 34.189210305555555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: October 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	12:30	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling. Hand tools used.
3. Gothic Landscaping. Crew of 14 plus Scott Rose as foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: ANHU, ACWO, BLPH, WCSP, LCPA, NOFL, YRWA, CALT, CASJ, HOFI, KILL, CORA, AMCR, CCGO, CACG, MALL, CAQU

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work on western side slopes. Main target species include mustard, tree tobacco, pepper weed lambs quarters, and Russian thistle. Biologist monitors removal of species.

0900: Crew takes break.

0915: Crew returns to work on western side slopes.

1030: Crew splits up to work on other areas due to lack of dumpster capacity. A small crew continues on the eastern side slopes to cut large castor bean bushes. A small crew works in DG-2 clearing a patch of tree of heaven. The rest of the crew works on collecting and dumping weed material from the side slopes.

1230: Crew ends work early due to the long drive home. Approximately one acre cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_SideslopeWest_facingWest.jpg
-118.1756866250001 34.18915481388884



Invasive_species_removal_SideslopeWest_facingNorth.jpg
-118.1756049027778 34.189201



Invasive_species_removal_DG-2_facingWest.jpg
-118.1716199777778 34.19028594444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Company: Stillwater
Date of Log: October 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	0 %
End of Day	14:30	82 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image regular crew of 12 hand pulling perennial pepperweed in DG-4A, crew of 7 from OC checking irrigation and hand pulling assorted nonnative in DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CCGO, OATI, CALT, YRWA, AMCR, ANHU, NOFL, RCPA, WEBL, DEJU, BEWR, SPTO, MALL, BGGN, WCSP, LEGO, PUF1, NUWO, ACWO, KILL, HOFI, MODO, WREN, CASJ, CAQU, WEME, AMKE, BUSH, California ground squirrel, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, had a tailboard meeting with foremen regarding the days plan.

0700: Monitored vegetation clearing. Regular crew continued working in DG-4A near the now-inactive YEWA_3, pulling pepperweed roots and removing eucalyptus resprouts. Several large Eucalyptus stumps were resprouting, along with new seedlings in the adjacent planting basins. The OC crew was working near the parking lot in DG-4 on the border of DG-4B pulling dried pepperweed from amongst the mulefat. Throughout the day I switched between monitoring the two crews.

0900: Walked the site to evaluate new germination following Monday's rain. Observed possible mountain lion scat near the intersection of the basin and the old horse trail. Not very certain of ID, but alerted crew either way.

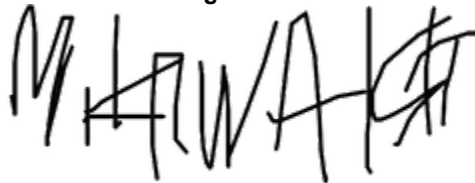
1130: Observed first western meadowlarks of the season on soccer field. By now regular crew had made it mostly into DG-4 just north of the aforementioned field. OC crew was finishing up the aforementioned area and working on irrigation checks.

1415: Crew wrapped up pulling de the day while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_eucalyptus_detail_work_facingSouth.jpg
-118.1754966666667 34.1900095388889



photo_2-post_eucalyptus_detail_work_facingSouth.jpg
-118.1755282777779 34.1900040166666



photo_3-pre_eucalyptus_cutting_facingWest.jpg
-118.1756323333334 34.18961126388885



photo_4-post_eucalyptus_cutting_facingWest.jpg
-118.17572011111112 34.189574261111105

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	90 %
End of Day	14:45	64 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image regular crew of 11 hand pulling perennial pepperweed in DG-4A/DG-4 south of the boulder field.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, RCPA, CACG, HOFI, WCSP, RSHA, CALT, MALL, AMCO, KILL, AMCR, MALL, ACWO, BEKI, WREN, NOFL, ANHU, BGGN, OATI, LEGO, CASJ, Neotoma sp., CAKI, RNDU, AMPI, MODO, LESA, DEJU, WEBL, OCWA, California ground squirrel, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, had a brief tailgate meeting while crew gathered tools etc.

0655: WEEP trained a new employee.

0720: Monitored vegetation clearing in DG-4A near the now-inactive YEWA_3 nest. Crew was finishing up by the time I arrived and we began moving people north to work on an area of thick pepperweed resprouts adjacent to a planted area. Crew continued attempting to remove as much of the root as is possible.

0900: Flagged off a large in-ground hornet nest. Surveyed southern area of site for more work.

0920: Found an active coyote den at the edge of the slope (had numerous recent footprints outside), put the location into collector and advised crew to avoid. ICF/Gothic happened to be working nearby on the slope so I alerted them as well.

0935: Resumed monitoring vegetation clearing.

1000: Assigned a few crew members to work on cutting back eucalyptus resprouts in DG-4A. They used a machete and snips.

1430: Crew began wrapping up pulling I inspected the site.

Additional Comments

There was an anti vaccine protest occurring outside of the site today at the intersection of Oak Grove Dr and Foothill Blvd.

Signature





photo_1-pre_weeding_DG-4_facingEast.jpg
-118.1755731388889 34.190305925



photo_2-post_weeding_DG-4_facingEast.jpg
-118.1755442777779 34.1902681388888



photo_3-pre_eucalyptus_cutting_DG-4A_facingWest.jpg
-118.17539311111112 34.19055176111111



photo_4-post_eucalyptus_cutting_DG-4A_facingWest.jpg
-118.17540633333334 34.19046084166666

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 1, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	4-6 MPH	40 %
End of Day	14:45	65 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CACG, CCGO, MALL, CALT, CATH, ANHU, AMCR, LCPA, RCPA, NOFL, RCKI, HOFI, YRWA, RSHA, HUVI, TOWA, SOSP

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock.

0800: Stillwater biologists alerts ICF bio of a potentially active coyote burrow nearby and a nearby hornets nest.

0900: Crew takes a break.

0915: Crew returns to work on the side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1430: Crew ends work for the day. Approximately .75 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_SideslopeWest_facingWest.jpg
-118.1763335555556 34.1886890277778

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	51 °F	0-3 MPH	80 %
End of Day	14:25	64 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 19 hand pulling perennial pepperweed using trowels in DG-4 and DG-4A, 2 of whom were fixing/running irrigation elsewhere on the site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RCPA, ACWO, NUWO, CORA, WEBL, YRWA, CALT, NUWO, HOFI, CASJ, CCGO, CASJ, MALL, WREN, RNDU, KILL, RTHA, ANHU, AMCR, HETH, NOFL, LASP, WCSP, CAKI, DEJU, CATH, Western fence lizard, BUSH, LEGO, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: WEEP trained 2 new labor finders crew members.

0710: Monitored vegetation clearing in DG-4A and DG-4. Crew was beginning to edge into the planted area at the far north end of the second open field (SW of the boulder field). Area was a Salix woodland alliance, the primary target was perennial pepperweed growing between plants with a few infestations of Ambrosia artemisiaefolia.

0900: relocated a western fence lizard.

1130: Crew relocated to a different clearing (west of primrose area) and began working there. Noted a high density of seedlings (at cotyledon level) in area. Many were not yet identifiable but found Oenothera elata, 2 Phacelia sp., and numerous weeds (Raphanus, poison hemlock, pepperweed etc). Showed crew what they looked like and advised them to focus on pulling established weeds to avoid confusion. Told crew not to walk on several areas which were thick with seedlings.

1420: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_weed_removal_DG-4_facingNorthWest.jpg
-118.175689055556 34.19060902777775



photo_2-post_weed_removal_DG-4_facingNorthWest.jpg
-118.1754886388889 34.19064442499995



photo_3-pre_detail_work_facingNorth.jpg
-118.17654854166668 34.18978540555554



photo_4-post_detail_work_facingNorth.jpg
-118.17652602777778 34.18979854166666

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 2, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	18:30	48 °F	0-3 MPH	100 %
End of Day	15:00	72 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CACG, CCGO, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, RCKI, HOFI, YRWA, TOWA, SOSP, SPTO, BGGN, WBNU, SAPH, AMPI, WESA, KILL, RSHA, LEGO

Reptiles: Western fence lizard, side blotch lizard, coastal whiptail.

Mammals: California ground squirrel, fox squirrel, coyote.

Amphibians: Western toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0645: Begin safety tailgate/natural resources meeting.

0650: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock, pepper weed, and Russian thistle.

0845: Crew takes a break.

0900: Crew returns to work on western side slopes.

1120: Observed a juvenile coastal whiptail on western side slopes. Observed in binoculars for approximately a minute until he disappeared into a small burrow. Two other similar sized burrows were observed approximately 1-2 ft away.

Biologist flagged off a 5 square foot buffer around the burrows to avoid impacts.

1200: Crew breaks for lunch.

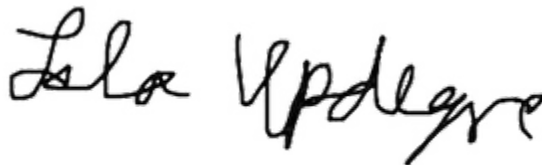
1230: Crew returns to work on side slopes.

1445: Crew ends work for the day. Approx 0.75 acres cleared today.

Additional Comments

Observed sensitive species: coastal whiptail. Species not available to select in sensitive species column in form.

Signature





Invasive_species_removal_SideslopeWest_facingNorth.jpg
-118.1768187222222 34.18800118611111



Coastal_whiptail_buffer_SideslopeWest_facingNorthWest.jpg
-118.17687447222222 34.188210325

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Company: Stillwater
Date of Log: November 3, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	100 %
End of Day	14:30	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand-pulling on west side, Daniel Holmes forman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WCSP, YRWA, RCPA, CORA, AMCR, BEWR, RCKI, HUVI, HOFI, MALL, CANG, KILL, LEGO, ANHU, CASJ, OATI, NUWO, NOFL, COHA, CAQU, pacific treefrog, deer tracks, BGGN.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew grabs tools, heads south along main road to 'primrose' area. Mostly working under canopy (DG-4), some work out in the open which is DG-4A. Mainly pulling pepperweed sprouts but there are new annual sprouts coming up from recent rain such as mustards, grasses, hemlock, cheeseweed. After lunch crew is in same area heading south. Pepperweed patches require removing some of the leaf litter which is good wildlife habitat, so it should be done sparingly (I suggested that to Daniel). Perhaps crew could do more manual pulling instead of using tools.

Additional Comments

N/A

Signature





photo_1_before_hand-pulling_DG-4_facingSouthWest.jpg



photo_2_after_hand-pulling_DG-4_facingSouthWest.jpg

-118.17667887500001 34.18947521111111



photo_3_before_hand-pulling_DG-4_facingSouthEast.jpg
-118.17682304444445 34.18935731944444



photo_4_before_hand-pulling_DG-4_facingSouthWest.jpg
-118.17680008333333 34.18931859444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 3, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	0 %
End of Day	15:00	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, BEWR, CACG, CANG, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, HOFI, YRWA, TOWA, BGGN, BLPH, AMPI, WESA, KILL, CASJ, RTHA
Reptiles: Western fence lizard, side blotch lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0650: Begin safety tailgate/natural resources meeting.

0700: Crew begins work on western side slopes. Main target species include: mustard, lambs quarters, curly dock, pepper weed, and Russian thistle.

0900: Crew takes a break.

0915: Crew moves vehicles to northern parking lot to work on DG-1. Main target species include mustard, non-native grasses, and tree tobacco.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1

1445: Crew ends work for the day. Approximately 2.5 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_SideslopeWest_facingNorthWest.jpg
-118.17598395277778 34.18895591666664



Invasive_species_removal_DG-1_facingNorth.jpg
-118.16808028611112 34.19936255555555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael walsh
Company: Stillwater
Date of Log: November 4, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	0 %
End of Day	14:40	79 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 17 hand pulling assorted nonnative plants in DG-4 and DG-4A, 2 of whom were sent to do irrigation checks for the greater part of the day.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, RCPA, BUSH, OATI, AMCR, EUST, RCKI, CASJ, WEBL, BLPH, KILL, CATH, NOFL, RSHA, SAPH, SOSP, LEGO, CAQU, BEWR, BNST, WESA, OCWA, DEJU, California ground squirrel, Desert cottontail, Common side blotched lizard, Western fence lizard, Western toad, Raccoon (skull).

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting with foremen discussing the plan for the day while crew gathered tools etc.

0655: Monitored vegetation clearing in the southernmost clearing of DG-4A and adjacent parts of DG-4. Area was a pepperweed monoculture flanked by Fraxinus/Salix woodland. Lower canopy plants were mostly pepperweed, but occasional Calystegia macrocarpa was observed, a plant which I had to teach the crew. Upper canopy dominated by Passion flower. Roughly half the crew worked in open areas while half the crew worked in the woodland.

0945: Found a raccoon skull in the dense brush.

1200: Crew was by now almost all working in the woodland directly west of the clearing and along the perimeter trail. Area had some dwarf nettle and numerous bromes (still only an inch or so high), told crew to hold off on brome removal for now.

1300: Surveyed surrounding areas with foremen Daniel Holmes and Didier Ramos looking for new potential targets.

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

Additional Comments

N/A

Signature





photo_1-pre_pepperweed_removal_FacingEast.jpg
-118.17717338888889 34.18917209722222



photo_2-Post_pepperweed_removal_FacingEast.jpg
-118.17720354166667 34.18914886111111



photo_3-pre_pepperweed_removal_FacingWest.jpg
-118.17737843055556 34.189114805555555



photo_4-post_pepperweed_removal_FacingWest.jpg
-118.17740675 34.189156833333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 4, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	0 %
End of Day	14:50	79 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, MALL, CALT, CATH, ANHU, AMCR, LCPA, NOFL, HOFI, YRWA, BLPH, WESA, KILL, CASJ, BNST, MERL, RNDU, HOWR, RTHA

Reptiles: Western fence lizard

Mammals: Pocket gopher

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0655: Crew begins work on DG-1. Main target species include: mustard, non-native grasses, tree tobacco and star thistle.

0830: Biologist observes a Merlin feeding perched in a cottonwood tree near Johnson Field.

0900: Crew takes a break.

0915: Crew returns to work on DG-1.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1

1410: Biologist finds a pitfall trap with 3 dead toad remains and a live western fence lizard and a live beetle. The lizard and beetle were rescued. The crew will destroy the trap tomorrow when they have the right tools.

1445: Crew ends work for the day. Approximately 2.3 acres cleared today.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-1_facingS.jpg
-118.16872573055556 34.19558994444444



Pitfall_trap_before_destruction.jpg
-118.16933916944446 34.1953635

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	0 %
End of Day	14:15	79 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 16 hand pulling assorted nonnative plants in DG-4

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, desert cottontail, CALT, RCPA, OATI, BEWR, DEJU, OCWA, LEGO, MOCH, AMCR, CORA, YRWA, MODO, HOFI, ANHU, EUST, ACWO, RCKI, MALL, WESP, WCSP, KILL, WTSW, SOSPO, PUFU, CASJ, CAQU, WREN, BGGN, Western toad, NOFL, CAKI, California ground squirrel, SAPH, fox squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting with foremen to go over the plan for the day. The Orange County crew (6) was going to work on the far south side of the site near the Edison access road and the regular crew (10) was continuing work in the area adjacent to the perimeter trail south of the last major clearing, planning to meet up with the OC crew upon finishing up. All work done today was in DG-4.

0655: Monitored vegetation clearing with the regular crew. They were working through a Salix woodland adjacent to the southernmost clearing. Area was thick with twigs from dormant and/or dead willows and Neotoma middens, and they were targeting perennial pepperweed. Instructed crew to not go for any weeds that required excessive snapping of twigs to get to, and reminded everyone of our policy of avoiding pulling weeds rooted in or next to middens.

0800: Monitored vegetation clearing with the OC crew. They were working in a fairly open planted area removing pepperweed and Rumex crispus growing between container plants. Area between plants heavily colonized by native Heliotropium curassavicum.

0900: Went back to monitoring regular crew; switched between them at ~30 minute intervals for rest of work day.

1130: Regular crew had moved slightly east to focus efforts on a patch of Stipa milaceae in an open Salix woodland. OC crew continued at the far southern end.

1200: Member of the public alerted me that the irrigation at the far western side of the park (not our restoration area) in the oak woodland near the south bathrooms has not been functional for some time.

1320: Foreman Daniel Holmes and I had a meeting with new crew members about Yellowjacket safety, showed them the large in-ground Yellowjacket nest to be certain that everyone knew to avoid it.

1400: Both crews wrapped up for the day to focus on microline checks and I inspected the site/picked up trash etc.

Additional Comments

N/A

Signature

Handwritten scribbles or marks, possibly initials or a signature, located at the top of the page.



photo_1-pre_weeding_DG-4_facingWest.jpg
-118.17714437222223 34.18928769444444



photo_2-post_weeding_DG-4_facingWest.jpg
-118.17709338888889 34.18927173611111



photo_3-pre_weeding_DG-4_facingNorth.jpg
-118.17725369444445 34.18671876666665



photo_4-post_weeding_DG-4_facingNorth.jpg
-118.17725236111112 34.18669406666666

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter, Lela Updegrave
Company: ICF
Date of Log: November 5, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	11:30	77 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 8 plus Scott Rose crew lead

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, BUTU, NUWO, CALT, MODO, CASJ, NOMO, MODO, YRWA, MALL, NOFL, CAKI, CORA, ANHU Rattlesnake
Coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0700: Safety meeting with crew.

0715: Crew begins work on DG-1. Crew targets tree tobacco, non-native grasses, mustard

0900 crew breaks


0915 crew returns to work in DG-1

1100 crew finishes work for the day

Additional Comments

Crew left early for drive back to Las Vegas.

Signature





Invasive_species_removal_DG-1_facingWest.jpg
-118.16929141666667 34.19524833333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	100 %
End of Day	14:39	70 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 15 hand pulling perennial pepperweed in DG-4A, 2 crew members were assigned to running and repairing irrigation.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, MODO, CALT, AMCR, CANG, WCSP, MALL, SOSp, CAQU, YRWA, CASJ, OATI, ACWO, BEWR, RCKI, RCPA, EUST, WREN, NOFL, PUFi, KILL, WESA, AMPI, DCCO, DEJU, WEBL, BUSH, WEME, SAPH, NUWO, WAVI, LEGO, SPTO, CORA, RSHA, fox squirrel, Gambusia sp. (mosquitofish), BLPH, BCHU, STJA, LISP, DOWO, CAKI, RTHA, SAVS, ANHU, BGGN, California ground squirrel, NOMO, AMKE, CATH, HUVI, LASP, western fence lizard, AMCO, RNDU, ROPI, common side blotched lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Brief tailgate meeting with crew regarding the plan for the day while they set up and gathered tools.

0655: Monitored vegetation clearing along the southernmost border of DG-4A and the basin slope. Area was mostly open, contained lots of pepperweed and only a few annual natives (Ambrosia acanthicarpa, Mulefat, Lupinus succulentus).

0800: Surveyed surrounding areas for potential targets and wildlife.

0845: Resumed monitoring vegetation clearing after break.

0950: Found a part of the slope near the end of the truck trail which had been eroded by recent rains. Inspected it with foreman Didier Ramos. Observed mosquitofish in reservoir.

1230: Found a large irrigation leak in the DG-4 sheetflow area, a crew member was sent to fix it.

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

Additional Comments

N/A

Signature





photo_1-pre_weed_removal_DG-4A_facingWest.jpg
-118.17643536111112 34.18891847222222



photo_2-post_weed_removal_DG-4A_facingWest.jpg
-118.17665622222222 34.18869853888886



photo_3-pre_weed_removal_DG-4A_facingWest.jpg
-118.17579773611112 34.189408647222216



photo_4-post_weed_removal_DG-4A_facingWest.jpg
-118.17578808333334 34.189368694444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 8, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °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:

1. Invasive species removal.
2. Hand pulling/hand tools/1 line trimmer.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, ANHU, AMCR, LCPA, YRWA, BLPH, CASJ, MERL, CAKI, NOFL, NUWO, CATH, CAQU, MAKE, RTHA, KILL, SAPH

Reptiles: Western fence lizard, coastal whiptail

Mammals: Coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0700: Begin safety tailgate/natural resources meeting.

0710: Crew begins work on DG-1. Main target species include: mustard, non-native grasses, tree tobacco and star thistle.

0720: Biologist observes a Merlin flying in DG-1.

0900: Crew takes a break.

0915: Crew returns to work on DG-1.

0940: Biologist observes a coyote being chased by an unleashed dog.

1100: Crew finds dead YRWA under California buckwheat. Death appears natural and not caused by the crew.

1120: Biologist identifies one juvenile coastal whiptail located in DG-7.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1.

1430: Crew ends work for the day. Approximately 1 acre cleared.

Additional Comments

Sensitive species observed: Coastal whiptail (not a selection option in form). Second photo is not allowing me to rename with descriptive captions. The following caption applies to the photo: Invasive_species_removal_DG-1_facingS

Signature

Lela Upson



Dead_YRWA_DG-1.jpg

-118.17025171666667 34.19442707222222



Invasive_species_removal_DG-1_facingSouth.jpg
-118.170285125 34.19442358333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	40 %
End of Day	14:45	68 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 15 hand pulling perennial pepperweed and smiling grass, 2 of whom were running and fixing irrigation elsewhere on site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, RCPA, MODO, NUWO, ACWO, CASJ, CALT, WREN, BGGN, MALL, CANG, WCSP, EUST, OATI, STJA, CORA, BEWR, SOSP, RCKI, ANHU, HOFI, NUWO, LEGO, SAPH, BUSH, WTSW, BUFF, KILL, unknown gull, California ground squirrel, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Brief tailgate meeting with crew while they gathered tools etc.

0655: Monitored vegetation clearing in DG-4 against the eastern border of our site near the southern corner. Crew primarily worked on pulling dried perennial pepperweed plants which had previously been inaccessible due to the ESA fencing. Most had not yet dropped all seed, so crew was advised to use caution in handling them to minimize seed spread. Area was a thick Salix woodland with a dense understory of snags, Mugwort and occasional blackberry. Near the edges, there were some patches of pepperweed cotyledons covering large swaths of understory, 2 crew members worked on removing what they could to minimize new growth.

1130: Brief site visit from Mitch O'Farr of Natures Image.

1200: Surveyed nearby areas with foreman Daniel Holmes to discuss potential work.

1300: Crew was moving westward removing Stipa milacea by digging out the root complexes.

1430: Crew began wrapping up pulling while I inspected the site and discussed plan for tomorrow with foremen.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removal_DG-4_facingWest.jpg
-118.17699647222223 34.18802884444444



photo_2-post_vegetation_removal_DG-4_facingWest.jpg
-118.17700619444444 34.18803783333333



photo_3-pepperweed_cotyledons_DG-4_facingSouth.jpg
-118.17700776111111 34.188057425

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: November 9, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	90 %
End of Day	14:30	70 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species clearing, irrigation maintenance
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of seven plus Scott Rose crew lead

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CANG, HOFI, GREG, CORA, MODO, NOMO, Parrot sp., NOFL, MERL, SCJA, CAKI, NUWO, CALT, YRWA, ACWO, SPTO, COYE, HUVI, AMKE, BUSH, WCSP, RTHA, MALL, TRES, Western fence lizard, California ground squirrel, cottontail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 targeting mustard sprouts, poison hemlock, non-native grasses.

0800: Observed Merlin perched on wooden pole on east side of east before diving down into mulefat scrub.

0900: Crew breaks.

0915: Crew returns to work in DG-1 and Johnson Field.

1045: Crew of five begins work in DG-8 removing invasive plants.

1200: Crew breaks for lunch.

1200ish: Crew returns to work in DG-8 and Johnson Field.

1430: Crew finishes work for the day.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-1_facingNorthEast.jpg
-118.17066904444445 34.19406641666665



Invasive_species_removal_DG-8_facingSouthWest.jpg
-118.17105533333334 34.193363999999995



Irrigation_maintenance_Johnson_Field_facingNorthWest.jpg
-118.1717090277778 34.19162188888888

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: November 10, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	10 %
End of Day	14:30	81 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal, irrigation maintenance
2. Hand pulling/hand tools, weed whacker
3. Gothic Landscaping, crew of seven

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, NOFL, AMKE, MOD0, CASJ, HOFI, MERL, ACWO, SPTO, CALT, BUSH, CAGO, MALL, SOSP, NOMO, RTHA, HUVI, YRWA, ACWO, TUVU, BLPH Coyote, California ground squirrel, California toad

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins irrigation maintenance work in Johnson Field and invasive species removal in DG-2 and Johnson Field targeting mustard, pepper weed, and non-native grasses.

0720: Observed Merlin perched in sycamore tree north of Johnson Field before flying into trees on the slope to the east.

0900: Crew breaks.

0915: Crew returns to work in DG-2 and Johnson Field.

0955: Observed Merlin fly into mulefat shrub in DG-2 on the northwest edge of Johnson Field before flying away to the west.

1200: Crew breaks for lunch.

1230: Crew returns from lunch and continues work in DG-2 and Johnson Field.

1430: Crew finishes work for the day.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-2_facingSouth.jpg
-118.1715537666668 34.19250649999999



Irrigation_maintenance_Johnson_Field_facingEast.jpg
-118.17173809722223 34.19163098611111



Invasive_species_removal_Johnson_Field_facingNorth.jpg
-118.17197264444445 34.19207494444444

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	5 %
End of Day	15:15	73 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing in DG4 and DG4A (Primrose Field) Hand tools, tarps, rakes. Ten crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, ACWO, DOWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, COHA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, BGGN, CAKI, NOFL, CAQU, EUCD, WREN, SPTO, HOFI, OATI, coyote, CANG, DEJU, MALL, RCKI, NUWO, LEGO, ANHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

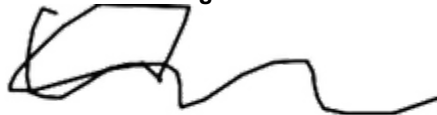
0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Initially Daniel and Didier wanted to weed in the primrose field (DG4 and DG4A, however, no primrose (*Oenothera elata*) were observed here. They are perennial so it would seem we would see at least one individual. It is unknown, maybe lack of water, why they are not present. Because of this, Daniel/Didier, decided to change the plan and move the crew further in, away from the primrose zone, to avoid disturbing a potential seed bed. The moved further east from this field. Using hand tools and hands crews removed mostly sprout stage perennial pepper weed. Very minimal amount of work is occurring. Looked thru tarped piles of removed plant to ensure crews were removing correct species.

1200: Similar activities took place after lunch.

1515: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Signature





Vegetation_clearing_before_facingNorth.jpg
-118.1761728888889 34.1896079166667



Vegetation_clear_during_facingNorth.jpg
-118.17613497222223 34.1896254722222



Vegetation_clear_during_facingSouth.jpg
-118.1759616000001 34.189579591666664



Vegetation_clear_After_facingNorthWest.jpg
-118.176063 34.189599763888886

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	4-6 MPH	0 %
End of Day	14:30	83 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 hand pulling perennial pepperweed and poison hemlock in DG-4 and DG-4A. 1 person was assigned to run and check irrigation for most of the day.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MALL, AMCR, CASJ, PUF1, WCSP, MODO, ANHU, CALT, ACWO, NOFL, OCWA, WEBL, COHA, KILL, SAPH, CAKI, Western fence lizard, Western toad.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site and had a brief tailboard meeting with the crew about the plan for the day.

0655: Monitored vegetation clearing in DG-4, east of the primrose field. Area was a Salix woodland with a monoculture of dried poison hemlock in the understory. Area had previously been inaccessible due to thick vegetation but a downed snag made it possible to reach. 4 crew members were working nearby in DG-4 and DG-4A removing seedlings. Flagged off a few unknowns still in the cotyledon stage so the crew would avoid them. Noted that the reservoir is now empty of water.

0730: Found a few Woodrat middens, advised crew to avoid them.

1300: Surveyed surrounding areas for weed growth.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-before_DG-4_weed_removal_facingNorth.jpg
-118.1765715000001 34.18976885



photo_2-after_DG-4_weed_removal_facingNorth.jpg
-118.17661233333334 34.1897844722222



photo_3-crew_removing_seedlings_facingNorth.jpg
-118.1759771388889 34.1899942694444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 11, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	15:00	87 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, ALHU, AMCR, LCPA, YRWA, BLPH, CASJ, MERL, NOFL, MAKE, RTHA, ACWO, BEWR, RCKI, SAPH, BUSH, AMCR

Reptiles: Western fence lizard, coastal whiptail

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0650: Begin safety tailgate/natural resources meeting.

0700: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1020: Biologist observes Merlin in Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1315: Biologist observes juvenile coastal whiptail on northeast side of Johnson Field.

1445: Crew stops work for the day. Approximately 0.5 acres cleared today.

Additional Comments

Observed sensitive species: Coastal whiptail. Not a selection option in form.

Signature





Invasive_species_removal_JohnsonField_facingWest.jpg
-118.17129681944445 34.19174197222222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	70 °F	4-6 MPH	0 %
End of Day	14:25	90 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 hand pulling perennial pepperweed, chenopodium and smilo grass in sections of DG-4 bordering the clearing which is south of DG-5.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, CASJ, CALT, NUWO, ANHU, HOFI, WCSP, BEWR, CAKI, WREN, YRWA, SPTO, MODO, LEGO, ACWO, LASP, WEBL, BUSH, HUVI, AMKE, RTHA, SAPH, PUF1, California ground squirrel, Fox squirrel, Western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew members gathered tools etc.

0655: Monitored vegetation clearing in DG-4. Primary target was perennial pepperweed and Chenopodium sp. area was a Salix woodland with a dense understory of usual weed targets with scattered Mugwort. There were numerous nearby Woodrat middens, crew had been informed the day prior to avoid them.

0800: Found a large poison oak thicket which was leafless. Advised crew to avoid. Talked to crew about how to recognize the bare branches.

0900: Higher than usual heat for the past few weeks at this time; very little bird activity.

1130: Moved crew to a nearby section of DG-4 which was overgrown with Stipa mellifera (smilo grass). Talked to crew about recognizing it (so they did not start hand pulling bromes) and explained that to kill this grass you had to remove the whole root ball. Monitored this activity.

1300: Took bi-weekly photo points of restoration areas.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removal_DG-4_facingNorth.jpg
-118.17699108333333 34.18922267777778



photo_2-post_vegetation_removal_DG-4_facingNorth.jpg
-118.17700219444446 34.189139427777775



photo_3-pre_vegetation_removal_DG-4_facingWest.jpg
-118.17664861111112 34.19000854722222



photo_4-post_vegetation_removal_DG-4_facingWest.jpg
-118.17665484444444 34.18996702777776

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 12, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	12:40	89 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 6 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, LCPA, YRWA, CASJ, SSHA, HOFI, SPTO, GREG, KILL, WREN, CATH, RTHA, HETH, NOFL
ACWO, BEWR

Reptiles: Western fence lizard Mammals: California ground squirrel.

Amphibians: Western toad.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0650: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0840: Biologist finds dead YRWA in Johnson Field. The carcass appears to be at least a few days old and appears to have died of natural causes.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1230: Crew completes work for the day. Approximately 0.5 acres cleared.

Additional Comments

N/A

Signature





Invasive_species_removal_JohnsonField_facingNorth.jpg
-118.1714442055556 34.1913610722222



YRWA_mortality_JohnsonField.jpg
-118.1713108277779 34.1912930972222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	0 %
End of Day	14:55	82 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling assorted nonnative plants in DG-4A, 1 of whom was working on irrigation for most of the day elsewhere.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

PUFI, CALT, RCPA, OATI, WEBL, BUSH, NOFL, BEWR, WCSP, YRWA, ANHU, AMCR, ACWO, DEJU, LASP, MODO, WREN, ALHU, CASJ, CATH, CORA, NUWO, SPTO, RSHA, RTHA, Neotoma sp., western fence lizard, common side blotched lizard, California ground squirrel, fox squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Gathered crew for tailboard meeting, crew gathered tools etc.

0650: WEEP trained a new employee.

0710: Monitored vegetation clearing in DG-4A. Crew was working in an open area (the "primrose" field) primarily covered with seedlings of perennial pepperweed, Rumex crispus, Malva parviflora, and poison hemlock. Crew scraped and/or dug these out depending on size. Started by extensively flagging seedlings of native plants (Phacelia spp., Xanthium strumarium, a few Oenothera elata) and advising crew to avoid natives while teaching crew members to recognize them. Periodically checked in with crew to ensure they were removing the correct plants.

0830: Surveyed channels/mining pit for weed growth. More mesic pockets throughout the site are thick with seedlings, basal diameters roughly 4-6 inches.

0900: Checked in with a crew member assigned to irrigation. There are still very frequent instances of coyotes chewing through lines, thus requiring frequent and thorough irrigation checks. Noted a dead Woodrat near mining pit-likely the result of a bird of prey.

0915: Resumed monitoring vegetation clearing.

1200: Crew was moving west towards the perimeter trail near the unofficial road at the end of DG-4A. Flagged area again for natives. Sent 3 of the more experienced crew members into a planted section of DG-4 which was too high in natives to realistically flag them all. Had another brief meeting about plant ID with them. Continued to frequently check in with crew.

1440: Crew began wrapping up pulling while I inspected the site. Flags were left in place overnight, crew is planning to resume in the same area.

Additional Comments

N/A

Signature

M. H. H.



photo_1-pre_vegetation_removal_DG-4A_facingNorthWest.jpg
-118.17685561111112 34.18971443611111



photo_2-post_vegetation_removal_DG-4A_facingNorthWest.jpg
-118.17688091666668 34.18974036944444



photo_3-pre_vegetation_removal_DG-4_facingNorthWest.jpg
-118.17662038888889 34.18961502777776



photo_4-post_vegetation_removal_DG-4A_facingNorthWest.jpg
-118.17655894444445 34.189669277777774

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 15, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:45	85 °F	4-6 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead and Scott Rose as project manager.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, YRWA, CASJ, HOFI, SPTO, CATH, ACWO, OATI, RCKI, BGGN, ALHU, CALT, SAPH

Reptiles: Western fence lizard

Mammals: California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting. Biologist gives WEAP training to two new crew members.

0715: Crew begins work on Johnson Field. Main target species include: non-native grasses, pepper weed, storks bill, carex.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

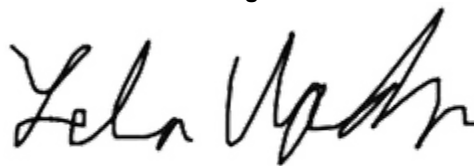
1230: Crew returns to work on Johnson Field.

1445: Crew completes work for the day. Approximately 0.5 acres cleared.

Additional Comments

N/A

Signature





Invasive_species_removal_JohnsonField_facingEast.jpg
-118.1717718888889 34.1912289444444

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	100 %
End of Day	14:30	72 °F	4-6 MPH	45 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures image crew of 13 hand pulling Rumex crispus, mustard, and Cuscuta sp. in DG-W-2 mining pit and the planted area of DG-4 which is directly east of the mining pit channel.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, CAQU, CALT, CATH, CASJ, ACWO, BEWR, ANHU, NUWO, NOFL, MODO, OATI, WCSP, SPTO, CAKI, DEJU, HOFI, desert cottontail, western fence lizard, RSHA.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0655: Monitored vegetation clearing in the northern part of DG-W-2 mining pit. Area was open, dominated by planted willows and cottonwoods (most under 6 feet) and Xanthium strumarium. Crew was working in and around planting basins to remove Rumex crispus seedlings, along with perennial pepperweed and poison hemlock. Area was extensively flagged off for native seedlings, the most common of which were Phacelia spp. and Escholtzia californica.

0700: Broke 4 crew members off to work on removing Cuscuta sp. from container plants in the planted area of DG-4 directly east of the mining pit outlet channel.

1315: Surveyed nearby areas for weed growth.

1330: Weeding crew wrapped up; half went to work on Cuscuta removal while half worked on cleaning up the trailer.

1420: Crew began wrapping up while I inspected the site for trash etc.

Additional Comments

N/A

Signature





photo_1-pre_weeding_mining_pit_facingNorth.jpg
-118.17402015277779 34.19355616666666



photo_2-post_weeding_mining_pit_facingNorth.jpg
-118.17402804722222 34.19356847222222



photo_3-pre_Cuscuta_removal_facingEast.jpg
-118.17449052777778 34.19157080555555



photo_4-post_Cuscuta_removal_facingEast.jpg
-118.17451444444445 34.19154361944444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 16, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	100 %
End of Day	14:45	71 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, YRWA, CASJ, HOFI, CATH, BGGN, ALHU, CALT, SAPH, NOMO

Reptiles: Western fence lizard

Mammals: Pocket gopher.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on DG-2. Main target species include: non-native grasses, pepper weed, erodium and carex.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1445: Crew completes work for the day. Approximately 3.5 acres cleared.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-2_facingSouth.jpg
-118.17225874166667 34.18998808333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	47 °F	0-3 MPH	0 %
End of Day	14:30	69 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 working on west side. Daniel Holmes, foreman.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, RCPA, HETH, RCKI, CASJ, ACWO, WREN, YRWA, WCSP, ANHU, NOFL, LEGO, HOFI, GREG, SPTO, CALT, BGGN, California ground squirrel, Side-blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Safety meeting with crew at main dirt parking lot.

0730: Crew heads to area east of parking lot to pull canyon dodder (*Cuscuta subinclusa*) off planted willows, elderberry, mule fat, etc at DG-4 and DG-W-2 Mining Pit outlet. Weed sprouts at ground level not much of an issue so far. Many of the planted black or red willows in Mining Pit outlet and elsewhere have rust fungi (*Melampsora* sp.) infestations. Arroyo willow doesn't seem to be affected. I'm noticing that the planted/irrigated elderberries have not lost any leaves and are currently flowering and fruiting. 'Wild' elderberries in the region are currently dormant after having flowered and fruited in late spring/early summer. I didn't know they could flower in fall/winter if watered year-round. After lunch, more dodder removal.

Additional Comments

N/A

Signature





photo_1_hand-pulling_dodder_DG-W-2_MiningPitOutlet_facingNorthWest.JPG
-118.1747583333334 34.19183055555555



photo_2_after_hand-pulling_dodder_DG-W-2_MiningPitOutlet_facingNorthWest.jpg
-118.1747348611112 34.19183908333333



photo_3_hand-pulling_dodder_DG-4_facingEast.JPG
-118.1741416666667 34.191647222222215



photo_4_after_hand-pulling_dodder_DG-4_facingEast.jpg
-118.1741895277778 34.19159219444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 17, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	100 %
End of Day	15:00	71 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: CORA, LCPA, WCSP, BEWR, CALT, KILL, YRWA, CASJ, HOFI, CATH, ANHU, CALT, RTHA

Reptiles: Western fence lizard

Mammals: Coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0705: Begin safety tailgate/natural resources meeting.

0715: Crew begins work on DG-2. Main target species include non-native grasses, pepper weed, hemlock, erodium and carex.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1000: Crew works on eastern side slopes removing sprouts of lamb's quarters and mustard.

1100: Crew moves to DG-2B. Crew targets pepper weed and hemlock.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2B.

1330: Crew moves to work on DG-3B and DG-3A.

1445: Crew completes work for the day. Approximately 1.7 acres cleared.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-2_facingEast.jpg
-118.17306552777778 34.188413999999995



Invasive_species_removal_DG-3B_facingSouth.jpg
-118.17328152777779 34.187712069444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: November 18, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	51 °F	0-3 MPH	15 %
End of Day	14:30	71 °F	0-3 MPH	25 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of nine

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, HOFI, WCSP, CALT, BUSH, YRWA, SCJA, AMKE, MODO, NOMO, ACWO, NOFL, RTHA California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0635: Safety meeting with crew.

0655: Crew begins work on DG-3A, DG-3B, and Side Slopes targeting mustard and non-native grasses.

0800: Half of crew begins work on DG-1.

0900: Crew breaks.

0915: Crew returns to work in Side Slopes and DG-1.

1200: Crew breaks for lunch.

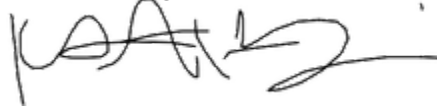
1230: Crew returns to work in DG-3A and DG-1.

1430: Crew finishes work for the day.

Additional Comments

N/A

Signature





Invasive_species_removal_Side Slopes_facingWest.jpg
-118.17352225 34.18737770833333



Invasive_species_removal_DG-2_facingWest.jpg
-118.17231004722223 34.19063094444444



Invasive_species_removal_DG-3A_facingSouthEast.jpg
-118.17302826944444 34.18768798333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	0 %
End of Day	14:15	70 °F	4-6 MPH	50 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 removing *Cuscuta* sp. from container plants in DG-4 directly east of the mining pit channel.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, BGGN, CASJ, CALT, RCPA, AMCR, BUSH, AMCR, CAQU, NOFL, WCSP, LASP, CATH, YRWA, HOFI, Desert cottontail, ANHU, NUWO, CAKI, SOS, MODO, OATI, LEGO, California ground squirrel, RCKI, VESP, RSHA, Western fence lizard, California chorus frog, BEWR, Raccoon femur bone.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting about the plan for the day with the crew while they gathered tools.

0655: Monitored removal of *Cuscuta* sp. from container plants in DG-4 directly east of the mining pit channel.

Primarily infesting *Salix* and *Sambucus*. Crew transferred pulled materials directly into plastic trash bags and were instructed to be careful with tendrils/seeds to minimize risk of spreading *Cuscuta*.

0745: Surveyed surrounding areas for new *Cuscuta* infestations.

0930: A crew member was sent out to work on running irrigation.

1130: Went to south side to scope out a potential weeding target near the Edison access road.

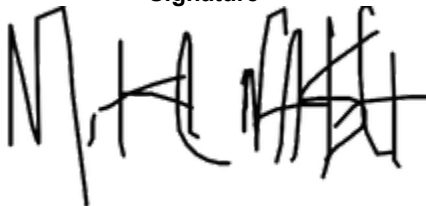
1200: Resumed monitoring *Cuscuta* Removal.

1400: Crew began wrapping up work on *Cuscuta* while I inspected the site.

Additional Comments

N/A

Signature





photo_1-before_Cuscuta_removal_DG-4_facingSouth.jpg
-118.17438670555556 34.19127555555555



photo_2-after_Cuscuta_removal_DG-4_facingSouth.jpg
-118.17439958333334 34.1912605



photo_3-before_Cuscuta_removal_DG-4_facingSouthWest.jpg
-118.17433173611111 34.19157960277777



photo_4-after_Cuscuta_removal_DG-4_facingSouthWest.jpg
-118.17433775 34.191565849999996

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	40 %
End of Day	14:35	68 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 clearing vegetation in DG-4, DG-4 WOUS.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, CALT, EUST, CAQU, CATH, BUSH, MODO, RCPA, WREN, CASJ, COHA, CAKI, RTHA, NOFL, HOFI, Desert cottontail, Western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew set up and gathered tools.

0655: Monitored vegetation clearing at the intersection of DG-4 and DG-4 WOUS. Primary target was poison hemlock seedlings, with large patches of *Hirschfeldia incana*. Half the crew worked in a planted area, while the other half worked along the adjacent trail in more open areas. Pointed out *Phacelia* and *Escholtzia* seedlings to crew, regularly monitored what they were removing.

0800: A thick fog rolled in and remained for most of the day.

1130: 2 crew members were sent out to check microlines on the far southern end of the site.

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

Additional Comments

N/A

Signature





photo_1-pre_vegetation_clearing_facingNorthWest.jpg
-118.17322891111111 34.19311422222222



photo_2-post_vegetation_clearing_facingNorthWest.jpg
-118.17323984722222 34.193199138888886



photo_3-pre_vegetation_clearing_facingWest.jpg
-118.1730433055557 34.1930773333333



photo_4-post_vegetation_clearing_facingWest.jpg
-118.1730192444445 34.1930433777778

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 19, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	100 %
End of Day	12:30	68 °F	4-6 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: CORA, LCPA, WCSP, BEWR, CALT, YRWA, CASJ, HOFI, CATH, ANHU

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0650: Crew splits up and starts work on DG-2 and the eastern side slopes near the dam. Main target species include: non-native grasses, pepper weed, poison hemlock, curly dock and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on DG-2 and eastern side slopes.

1030: Side slope crew moves to western side slopes. Crew targets pepper weed and lambs quarters.

1245: Crew ends for the day. 1 acre completed today.

Additional Comments

N/A

Signature





Invasive_weed_removal_SideslopesEast_facingNorth.jpg
-118.17444208333333 34.18564753055555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	0 %
End of Day	14:25	81 °F	7-9 MPH	45 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 clearing vegetation in DG-4, DG-4A near the sheer flow area, several of whom were sent to run irrigation elsewhere.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CALT, WBNU, OATI, ANHU, CORA, AMCR, CASJ, NUWO, RCPA, WCSP, LEGO, CATH, RCKI, ACWO, MODO, CAQU, HOFI, BGGN, RSHA, BUSH, YRWA, OCWA, California ground squirrel, California chorus frog, Western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Had a tailgate meeting with crew about the plan for the day while they gathered tools etc.

0655: Monitored vegetation clearing in DG-4 A and DG-4 just north of the sheer flow area. Ground was covered with mustard and poison hemlock seedlings. Crew scraped them off using hand tools and was careful to avoid going too deep into the dirt and tilling it.

0730: 4 crew members sent out to run and check irrigation. Due to the shortened week, crew is trying to get ahead on watering.

0930: Discovered that the large honeybee hive in DG-4 sheetflow is now vacant. No bees coming in or out, none observed on combs.

1000: Identified *Carduus pycnocephalus* and *Urtica urens* in area where crew was working. Taught crew to identify them, told them to remove both.

1230: Surveyed nearby areas for weed growth.

1350: Observed a fence lizard sitting outside of an active beehive hunting honeybees.

1415: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_clearing_DG-4A_facingWest.jpg
-118.1757035277778 34.1916146805555



photo_2-post_vegetation_clearing_DG-4A_facingWest.jpg
-118.17570071388889 34.1916361666666



photo_3-pre_vegetation_clearing_DG-4A_facingSouthWest.jpg
-118.17597631666668 34.19168036111111



photo_4-post_vegetation_clearing_DG-4A_facingSouthWest.jpg
-118.17595068055556 34.19166620555555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 22, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	20 %
End of Day	14:50	82 °F	0-3 MPH	60 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead. Scott Rose was present for the morning.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: CORA, LCPA, WCSP, CALT, CATH, KILL, YRWA, CASJ, HOFI, ANHU, RCKI, SOSP, CAQU, AMCR

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0645: Begin safety tailgate/natural resources meeting.

0720: Crew starts work on western side slopes. Main target species include: pepper weed, mustard, lambs quarters, curly dock and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1040: Side slope crew moves to western side slopes. Crew targets pepper weed, Russian thistle, mustard and lambs quarters.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes and DG-2.

1420: Crew stops work for the day. Approximately 1.75 acres cleared today.

1435: Crew meets at the gate for a daisy chain lock training.

Additional Comments

N/A

Signature





Invasive_weed_removal_SideslopeEast_facingSouth.jpg
-118.173205325 34.18806266111111

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	10 %
End of Day	14:20	73 °F	4-6 MPH	20 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 hand pulling poison hemlock and mustard using hand tools in DG-4A, DG-4, and DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, CALT, CASJ, WCSP, AMCR, RCPA, CAQU, ANHU, HOFI, coyote, SAPH, RSHA, COHA, CATH, NOFL, MODO, BEWR, PTWH, VESP, SOSP, California ground squirrel, SPTO, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area while crew set up.

0655: Monitored vegetation clearing in DG-4A and DG-4 just north of the sheet flow area. Ground was largely covered in poison hemlock and mustard seedlings roughly 3 inches in height.

0900: A few crew members moved into the south side of DG-4 sheetflow. A clearing near the north side of DG-4 sheetflow was skipped due to high coverage with seedlings of something (yet to be identified) that looked very similar to primrose. Crew was asked to avoid stepping on them.

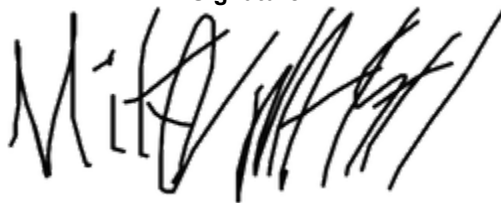
1130: Found 2 juvenile pin-tailed whydahs foraging near the soccer field on the west side.

1410: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removal_DG-4A_facingSouth.jpg
-118.17600319444445 34.191673055555555



photo_2-post_vegetation_removal_DG-4A_facingSouth.jpg
-118.17602030555555 34.19164394444444



photo_3-pre_vegetation_removal_DG-4_sheetflow_facingSouth.jpg
-118.17590696111111 34.19118538888888



photo_4-post_vegetation_removal_DG-4_sheetflow_facingSouth.jpg
-118.17594797222223 34.19115943333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 23, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	30 %
End of Day	14:45	71 °F	4-6 MPH	40 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ANHU, NOFL, RTHA, ACWO, RCKI, BUSH, SAPH

Reptiles: Western fence lizard

Mammals: Coyote, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Begin safety tailgate/natural resources meeting.

0640: Crew starts work on eastern side slopes and DG-2. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1000: Crew moves to work in Johnson Field targeting non-native grasses, Erodium, pepper weed, and mustard.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1430: Crew stops work for the day. Approximately .67 acres cleared today.

Additional Comments

N/A

Signature





Overview_JohnsonField_facingEast.jpg
-118.1719164888889 34.19208115277774

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: November 24, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	51 °F	0-3 MPH	3 %
End of Day	11:30	69 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of ten

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Parrot sp., CORA, HOFI, ACWO, SCJA, WCSP, YRWA, MODO, CALT, RTHA, NOFL, HUVI, Coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on Johnson Field, DG-2, and DG-8 targeting mustard sprouts and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work in Johnson Field.

1130: Crew finishes work for the day.

Additional Comments

Cesar made sure the crew knows that any plants removed that contain flowers, fruits, and/or seeds need to be disposed of right away and cannot be left lying around.

Signature





Invasive_species_removal_Johnson_Field_facingWest.jpg
-118.17191329444445 34.19196519444444



Invasive_species_removal_DG-2_and_DG-8_facingSouthWest.jpg
-118.17110346666666 34.19329615555555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	14:00	73 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing in DG4 Hand tools, tarps, rakes. Twelve crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, ACWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, EUCD, WREN, SPTO, HOFI, OATI, coyote, DEJU, RCKI, NUWO, LEGO, ANHU, CATH, AMKE

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts, and difficult to determine if primrose (*Oenothera elata*) are present amongst these. Therefore crews are only removing what they are confident are non-native. Biologist checked over areas that crews are removing. Crews avoided working in DG4 (drainage) due to a potential for primrose sprouts. They are using scrapers to remove top soils to ensure that the non-native root is fully removed. Biologist pointed out/reminded three crew members that there are native phacelia in patches of their work area. Also kindly reminded crew that if they are unsure of plant, to leave it alone and ask about it. Very minimal amount of growth it appears during the winter season.

1200 Similar activities took place after lunch. After lunch I noticed the crew was tarping leaf litter, so I notified Daniel.

1400: Bio completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Signature





Vegetation_removal_before_North.jpg
-118.1756115277779 34.19162358333333



Vegetation_clear_before_facingWest.jpg
-118.1755001666667 34.191571749999994



VegetationRemoval_during_facingWest.jpg
-118.17542987222222 34.19168558333333



VegetationRemove_after_facingNorth.jpg
-118.17560932222223 34.19159391666666

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	56 °F	0-3 MPH	0 %
End of Day	14:45	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, YRWA, CASJ, HOFI, ANHU, BUSH, ACWO, OATI, CORA, AMCR

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0650: Crew starts work on western side slopes near the dam. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on western side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1430: Crew stops work for the day. Approximately .55 acres cleared today.

Additional Comments

N/A

Signature





Invasive_weed_removal_SideslopesWest_facingSouth.jpg
-118.1762927222223 34.1864485055555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Dawn Garcia
Company: Stillwater
Date of Log: November 29, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	0 %
End of Day	15:00	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Ground cover clearing, hand tools;rakes, scrapers. Nature`s Image, Forman Diedier

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

RSHA, RTHA, COHA, RCKI, BEWR, BUSH, STJA, CSJA, SPTO, CALT, YRWA, WREN, HOFI, LEGO, EUST, ECDO, MODO, HETH, OATI, SOSP, BLPH, CAQU.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Met with Margie, WEEP training.

0700: drove to staging area DG-4, met with forman Diedier and crew. Trained new Natures Image crew member WEEP

Additional Comments

Shadowed Margie today. Crew left to haul out weeds to dumpster @ 230, and I followed. No more monitoring duties. Finished up form.

Signature





Before_weeding_DG4_facingSouth.jpg
-118.17728269444444 34.186580899999996



Mining_pit_outlet_DGW2_Restoration_facingNorth.jpg
-118.1750626 34.19164269444444



After_weeding_DG-4_facingSouth.jpg
-118.1772546 34.186600199999994

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: November 30, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	18:30	56 °F	0-3 MPH	0 %
End of Day	15:00	82 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ANHU, ACWO, CORA, AMCR, AMKE, KILL, STJA

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on western side-slopes. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on western side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on western side slopes.

1250: Crew stops work for the day. Approximately 2.4 acres cleared today

Additional Comments

N/A

Signature





Invasive_weed_removal_SideslopesWest_facingNorthWest.jpg
-118.17675547222223 34.1882246

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Dawn Garcia
Company: Stillwater
Date of Log: November 30, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	0 %
End of Day	14:30	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Nature Image, Formen Didier and Daniel, full crew. Met Lela, biologist with ICF and Gothic crew working on berms. Hand held tools and chainsaw to remove downed and split eucalyptus. Fire extinguisher nearby. Moving north from southern end of site to remove pepperweed.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

AMCR, YRWA, BEWR, HOFI, STJA, CSJA, RTHA, ANHU, LEGO, NUWO, SPTO, CALT, BLPH, RCKI, SOSP, WREN, DOWO, TOWA, OCWA, ACWO, NOFL, MOCH, WCSP, OATI, BEWR, EUST, CORA, HUVI, AMRO, RSHA, HETH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Meet Didier at park, followup with monitoring same area as yesterday, DG-4 south and east to berms, and north. Check tree crevices for any signs of bats although unlikely bases on limited roost habitat. Removed downed and split standing eucalyptus per Margie and Lauren (sent photos). Lots of hauling out of tree debris and pepperweed.

1130: RSHA ptetty vocal in restoration site trees below berkshire creek.

1330: Found old COHA nest observed in riparian. Some scattered whitewash, likely roost area.

Additional Comments

Another hot one! Crew worked really hard hauling eucalyptus and getting rid of pepperweed. Gave tablet to Daniel to give to Mike SS.

Signature





Downed_eucalyptus_removal_facingNorth.jpg
-118.1771186 34.186825299999995



Cleared_ROW_post_eucalyptus_pepperweed_removal_FacingNorth.jpg
-118.17710330555556 34.1865867



Pepperweed_and_Primrose_species_in_wash_facingWest.jpg
-118.1771526 34.1881122



Post_eucalyptus_removal_facingEast.jpg
-118.1772693055555 34.1869197

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 1, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	0 %
End of Day	15:00	82 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools and 2 line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, NOFL, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ALHU, ACWO, CORA, AMCR, BEWR, RTHA, SAPH, AMKE

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on eastern side-slopes. Main target species include: pepper weed, mustard, lambs quarters, and Russian thistle.

0900: Crew takes a break.

0915: Crew returns to work on eastern side slopes.

1000: Crew starts work on DG-1. 2 crew members work on Johnson Field pulling mustard.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-1. Johnson Field crew trims grasses with line trimmers.

1450: Crew stops work for the day. Approximately 1.7 acres cleared today.

Additional Comments

N/A

Signature





Crew_invasive_weed_removal_DG-1_facingSouth.jpg
-118.1693801388889 34.195204999999994

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Amy Plesetz
Company: Stillwater
Date of Log: December 1, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	15:15	84 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing in DG4 (south end of west side) hand tools, tarps, rakes. Ten crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, ACWO, SOSp, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, EUCD, WREN, SPTO, HOFI, OATI, DEJU, RCKI, NUWO, LEGO, ANHU, CATH, AMKE, STJA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Several native annual sprouts have been appearing, including phacielia spp., lupine spp, galium sp. Galium was recently detected by crew. Very minimal amount of work is occurring/need it appears during the winter season.

1200: Similar activities took place after lunch. Crew worked on removing passion fruit that is completely suffocating the willows on the south west side.

1515: Bio completed this report, walked around, and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Signature





VegetationClearing_before_facingWest.jpg
-118.17728580555556 34.18740047222222



Vegetation_clearing_before_facingNorthWest.jpg
-118.17689744444445 34.18721554166666



Vegetation-removal_after_facingNorth.jpg
-118.17690836111112 34.187183499999996



VegetationClearing_after_facingWest.jpg
-118.17725447222223 34.18743187222222

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	5 %
End of Day	14:30	66 °F	7-9 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling mustard, poison hemlock and perennial pepperweed in DG-4 and DG-4A on the southern half of the site.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, CALT, WCSP, WREN, LEGO, AMCR, HOFI, YRWA, ANHU, BUSH, NOFL, ACWO, OCWA, MODO, NUWO, OATI, desert cottontail, RSHA, BEWR, RCKI, SAPH, LASP, BLPH, CAKI, CAQU, GBHE, common side blotched lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Tailboard meeting with crew to discuss work area for the day.

0655: Monitored vegetation clearing in DG-4. Crew was just south of the large primrose clearing, working in a Salix woodland. Primary targets were mustard, poison hemlock, and perennial pepperweed, all of which were at about 4 inches in height. Flagged of native Phacelia in the area, there was almost no native coverage at ground level.

0845: 3 crew members were assigned to irrigation work. A citizen reported a leak to us on the north side, fixing this was prioritized.

1130: Crew members began moving into the adjacent patch of DG-4A along the treeline. Monitored vegetation clearing and flagged natives.

1425: Crew began wrapping up pulling I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_pulling_DG-4_facingWest.jpg
-118.1766995388889 34.18948431944444



photo_2-post_vegetation_pulling_DG-4_facingWest.jpg
-118.17661526111111 34.18952023333333



photo_3-pre_vegetation_pulling_DG-4_facingNorth.jpg
-118.17685484722223 34.18962770833333



photo_4-post_vegetation_pulling_DG-4_facingNorth.jpg
-118.17686075 34.18975038888888

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 2, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	20 %
End of Day	15:00	84 °F	4-6 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools and line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, CATH, YRWA, CASJ, HOFI, ACWO, CORA, AMCR, RTHA, SAPH, MAKE, SSHA, RCKI
BGGN Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, and non-native grasses. Crew uses a line trimmer to trim grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1030: Some of the crew starts working on the eastern side of DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2 and Johnson Field.

1500: Crew stops work for the day. Approximately 1.2 acres cleared today.

Additional Comments

N/A

Signature





Crew_weed_removal_JohnsonField_FacingNorth.jpg
-118.17103913888889 34.19142041666666

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	48 °F	0-3 MPH	100 %
End of Day	14:35	66 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 11 removing various nonnative plants in DG-4 and DG-4A near DG-5.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, CALT, RCKI, HUVI, AMCR, ACWO, LEGO, WCSP, NOFL, CATH, CASJ, CAQU, MODO, SPTO, BEWR, BGGN, BLPH, PSFL, WEKI, LASP, fox squirrel, California ground squirrel, western fence lizard.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, surveyed work area while crew set up.

0655: Monitored vegetation clearing near the north end of the primrose clearing, at the edge of DG-4 and DG-4A.

Area contained numerous common weeds (hemlock, mustard, pepperweed, Anagalis arvensis), but also had grass (Bromus madritensis, B. Diandrus) growing between them in many places. Assigned crew to avoid patches which were only grass and reminded everyone to attempt to keep the topsoil intact to avoid tilling. We plan to come hit the grass at a later date with weed whackers- hand tools are typically not much more effective on grass, and much slower. Numerous small patches of Phacelia were flagged off.

0800: Surveyed surrounding areas for other weed infestations. 3 crew members were sent to run the irrigation before the weekend.

1130: Took the bi-weekly photo points on the west side only.

1200: Resumed monitoring vegetation clearing.

1345: Began taking the photo points on the east side while crew was winding down.

1400: Crew finished weed removal and focused only on cleanup.

Additional Comments

N/A

Signature





photo_1-pre_weeding_DG-4_facingSouthWest.jpg
-118.1765882500001 34.19067898888884



photo_2-post_weeding_DG-4_facingSouthWest.jpg
-118.17658241666668 34.19067141666666



photo_3-pre_weeding_DG-4_facingNorthWest.jpg
-118.17629119444445 34.19064388888886



photo_4-post_weeding_DG-4_facingNorthWest.jpg
-118.17632975000001 34.19064455555555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 3, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:00	55 °F	0-3 MPH	100 %
End of Day	13:00	70 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools and line trimmers.
3. Gothic Landscaping. Crew of 8 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, CATH, BUSH, YRWA, CASJ, HOFI, ACWO, AMCR, RTHA, SAPH, MAKE, SSHA, RCKI
NOFL

Reptiles: Western fence lizard Mammals: Pocket gopher

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0800: Arrive on site.

0815: Safety tailgate.

0825: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses. One line trimmer is used to trim grasses.

1130: Crew breaks for lunch.

1200: Crew returns to work on DG-2.

1300: Crew stops work for the day. Approximately 0.85 acres cleared today.

Additional Comments

Crew arrived late and left early due to an early morning mandatory harassment training.

Signature





Crew_weed_removal_DG-2-facingSouthEast.jpg
-118.17299875 34.18846776944444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 6, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	51 °F	0-3 MPH	20 %
End of Day	15:00	71 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCPA, WCSP, CALT, CATH, BUSH, WREN, YRWA, CASJ, HOFI, AMCR, RTHA, MAKE, BEWR, RCKI
Reptiles: Western fence lizard, side blotched lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0650: Safety tailgate.

0700: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses. Biologist give WEAP training to three new crew members.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1135: Crew works down to DG-3A.

1200: Crew breaks for lunch.

1230: Crew resumes work on DG-2.

1300: Crew starts work on DG-2B

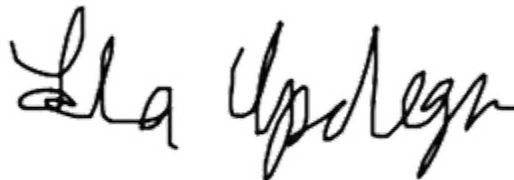
1345: Biologist observes milkweed plant with approximately five monarch caterpillars on the plant. Biologist flags off milkweed to alert crew to be extra careful around the plant.

1500: Crew stops work for the day. Approximately 0.82 acres cleared today.

Additional Comments

N/A

Signature





Crew_weed_removal_DG-2_facingSouthEast.jpg
-118.17303643611112 34.1883652777778



Monarch_caterpillar_DG-2B_facingSouth.jpg
-118.1725284 34.18851193333333

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Dawn Garcia
Company: Stillwater
Date of Log: December 6, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	41 °F	0-3 MPH	10 %
End of Day	14:45	70 °F	0-3 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Weed pulling by Natures Image crew (8). Daniel is Forman, Didier is off today. Using hand tools, hula hoes, rakes.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Adult COHA, HOFI, LEGO, CATH (singing at dawn from restoration near dumpsters), large parrot species flyovers, AMCR, CSJA, OATI, RCKI, NOFL, ACWO, ANHU, HOWR, NUWU, STJA, PUF1, NUWO, GHOW (2), RSHA (1imm. 1 adult), NOFL, BUSH, WREN, ORJU, SPTO, CALT, WCSP, YRWA, TOWA, WCSP

Did You Observe any Non-Compliance Issues? Yes No

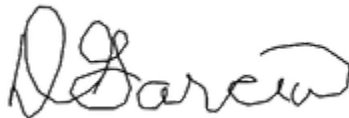
Log Entry

0645: Met crew at staging area. Adult COHA dove into brush pile presumably for prey. Good to watch for courtship as they may return to same nest in winter/spring. Monitoring in DG-4A today. Crew continued to work east into the more mature riparian toward the reservoir. Found 2 individual GHOW roosting separately, mid-morning and a couple of vocal and active RSHA in the restoration.

Additional Comments

Crew stopped pulling at 230 to walk all equipment back to staging area. The parks released some water down Berkshire creek mid-morning. there is a thick haze in the valley by the end of the day. Very clear in the morning, it descended mid-day.

Signature





DG-4A_pre-weeding_pepperweed_facingSouthWest.jpg
-118.1773724000001 34.188894899999994



GHOW_in_ASHspDG4_in_center_of_photo.jpg
-118.1775435 34.188286299999994



Runoff_flowng_down_creek_Parks_facingEast.jpg
-118.17784561111111 34.1883078



DG4A_weeded_portion_facingSouthWest.jpg
-118.1773926 34.188948499999995

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updgrave
Company: ICF
Date of Log: December 7, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	100 %
End of Day	15:00	60 °F	0-3 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, CATH, BUSH, WREN, NOFL, SPTO, YRWA, CASJ, HOFI, AMCR, RTHA, MAKE, RCKI

Reptiles: Side blotched lizard Amphibians: American bullfrog

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site. Someone has locked us out of the gates, so we move to northern parking lot.

0650: Safety tailgate.

0705: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, poison hemlock, Erodium, non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew resumes work on Johnson Field.

1500: Crew stops work for the day. Approximately 0.4 acres cleared today.

Additional Comments

N/A

Signature





Crew_weed_removal_JohnsonField_facingSouthEast.jpg
-118.17209016666668 34.19138122222222

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Dawn Garcia
Company: Stillwater
Date of Log: December 7, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	100 %
End of Day	14:30	60 °F	0-3 MPH	70 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image Foreman Daniel and crew of 11. Hand tools, hoes and rakes and hand pulling. Covered good ground moving north.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, WREN, CALT, AMCR, BLPH, SAPH, HOFI, ORJU, SOSP, GHOW, BGGN, CATH (2 countersinging it up in the north end of the project, mining pit channel, and a pair scolding me), WCSP, KILL OATI, WCSP, LEGO, CSJA, RCKI, YRWA, BUSH, NOFL, NUWO, ACWO, CORA, EUST, MODO, large parrot species (always just flyovers) CAKI, CAQU, RSHA adult, adult RTHA overhead.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry


0630: Met with crew at footbridge. It had rained and water was flowing in creek and dampened soil and vegetation.

0700: At site. Lots of chenopodim (gooseweed) and pepperweed (lepidium) to pull. Also fair amount of native phacelia scattered around, and identified by foreman.

Additional Comments

N/A

Signature





Post-weeding_DG4A_facingNorth.jpg
-118.1768465000001 34.188668799999995



Pre-Weeding_DG4A_facingNorth.jpg
-118.17693290000001 34.1886308



Example_of_retained_phacelia_post_weeding.jpg
-118.1766419 34.18899280555555



Post_weeding_DG4A_piles_of_pulled_Lepidium_facingWest.jpg
-118.17680880555557 34.1887353

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 8, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	10 %
End of Day	15:00	66 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCSP, BEWR, BGGN, WCSP, CALT, CATH, BUSH, WREN, NOFL, SPTO, YRWA, CASJ, HOFI, AMCR, RTHA, RCKI

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0705: Crew starts work on Johnson Field. Main target species include: pepper weed, mustard, poison hemlock, Erodium, non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew moves south to work on DG-2.

1500: Crew stops work for the day. Approximately 1.9 acres cleared today.

Additional Comments

N/A

Signature





Crew_weed_removal_DG-2_facingSouth.jpg
-118.1724205388889 34.191012349999994

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	54 °F	0-3 MPH	0 %
End of Day	15:15	65 °F	0-3 MPH	0 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing in DG4 (west side) Hand tools, tarps, rakes Thirteen crew members includes: Natures Image main crew, temp crew, and supervisors Daniel and Didier.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, SAPH, RBSA, HETH, OATI, RSHA, ACWO, SOSP, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, AMCR, HOFI, RCKI, NUWO, LEGO, ANHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

6:45 Bio and crew arrived onsite for a quick tailboard with foreman Daniel and Didier. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil on some locations to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Several native annual sprouts have been appearing, including phacelia spp., lupine spp, galium sp. Galium was recently detected by crew. Also, another species was not able to be identified due to its small size so we left it alone to grow bigger.

12:00 Similar activities took place after lunch.

15:15: Bio completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Female and male RSHA perched together in tree. Courting beginning?

Signature





VegetationClear_before_facingEast.jpg
-118.1764338888889 34.1895030777777



Vegetation_clear_after_facingEast.jpg
-118.176349 34.18942763888889



Vegetation_remove_before_facingWest.jpg
-118.17619283333333 34.18958334722222



Vegetation_remove_after_facingWest.jpg
-118.17616361111112 34.18957840833333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	60 %
End of Day	15:00	57 °F	0-3 MPH	70 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 removing nonnative sprouts in DG-4 and DG-4A using hand tools and rakes.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

HOFI, YRWA, WREN, AMCR, CORA, RCPA, CATH, CASJ, NOFL, LEGO, RSHA, MODO, ANHU, BEWR, BUSH, OATI, WCSP, ACWO, CALT, SPTO, STJA, CAKI, fox squirrel, DEJU, WEBL, RCKI.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Arrived on site, had a tailboard meeting with crew before walking out to the site. Parked at southern parking lot due to construction on the regular lot.

0655: Monitored vegetation clearing in DG-4 and DG-4A, in and immediately adjacent to the large clearing south of the "boulder" field. Crew started in open areas clearing mustard, poison hemlock, and perennial pepperweed sprouts.

0807: 2 adult RSHA observed following each other around/ frequently calling in DG-4, possibly courtship behavior.

0900: Went to Hahamongna nursery to inspect plants to be used for phase 3. Was joined by Margie Pfeffer. While I was gone, the crew spent time cleaning up and checking irrigation lines.

1000: Resumed monitoring vegetation clearing. Crew was finishing up the field and getting into the understory of the adjacent Salix woodland. Similar plant composition, scattered Sisymbrium sp., and a few native Oenothera elata.

Understory mostly absent of established natives except for a few mugwort.

1445: Crew started wrapping up while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removaling_DG-4_facingWest.jpg
-118.17588744444446 34.18983482777777



photo_2-post_vegetation_removaling_DG-4_facingWest.jpg
-118.17591077777779 34.189866538888886



photo_3-pre_vegetation_removing_DG-4_facingNorth.jpg
-118.17593342777778 34.18999115277777



photo_4-post_vegetation_removing_DG-4_facingNorth.jpg
-118.17588932222223 34.18996373611111

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 10, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	46 °F	0-3 MPH	20 %
End of Day	15:00	60 °F	0-3 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools, one line trimmer.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCSP, WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, RTHA, RSHA, RCKI, BGGN, BEWR

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-2. Crew splits up with one group on the west side and one on the east side. Main target species include: pepper weed, mustard, poison hemlock, and non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1430: Crew stops work for the day. Approximately 1 acre cleared today.

Additional Comments

N/A

Signature





Crew_line_trimmer_DG-2_facingEast.jpg
-118.17154336666667 34.19055583333333



Before_hemlock_DG-2_facingNorthEast.JPG
-118.17240277777778 34.19088055555555



After_hemlock_DG-2_facingNorthEast.JPG
-118.17238611111111 34.19088611111105

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Company: Stillwater
Date of Log: December 13, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	90 %
End of Day	14:30	52 °F	7-9 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image regular and temp crew of 12 removing mustard and poison hemlock in DG-4, DG-4 drainage with hand tools.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, HOFI, BLPH, AMCR, WREN, CASJ, CATH, RCPA, YRWA, NOFL, CORA, SAPH, RCPA, HETH, NUWO, LEGO, CALT, BEWR, MODO, WCSP, ACWO, Desert cottontail, OATI, RCKI, BUSH, DEJU, COHA, TUVU, RSHA.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area, DG-4 and DG-4 drainage near the now inactive YEWA_3 nest.

0655: Monitored vegetation clearing. Primary targets were mustard and poison hemlock sprouts that were at about 3 inches in height. Warned crew about nearby poison oak.

0900: 3 crew members were moved to the planted area at the south side of the boulder field to remove mustard and sweet Clover. Monitored both crews. Some eucalyptus sprouts spotted and removed.

1000: Walked to far north side of site to survey for weeds.

1400: 3 turkey vultures circling very low about 100 feet to the south of the crew. Did not see them land/ saw no carcasses on a very brief survey.

1420: Crew began wrapping up pulling while I inspected the site. Instructed crew to spread twigs/leaves back onto cleared areas. All nonnatives tarped and removed.

Additional Comments

Very minimal misty precipitation on and off near end of day.

Signature





photo_1-pre_vegetation_clearing_DG-4A_facingNorth.jpg
-118.17630004166668 34.19001417777776



photo_2-post_vegetation_clearing_DG-4A_facingNorth.jpg
-118.17626397222223 34.19004085277778



photo_3-pre_vegetation_clearing_DG-4A_facingSouth.jpg
-118.17626670833334 34.1899835



photo_4-post_vegetation_clearing_DG-4A_facingSouth.jpg
-118.17626691666668 34.19004123055555

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 13, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	41 °F	0-3 MPH	100 %
End of Day	15:00	51 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BGGN, BEWR, PEFA

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-3A and DG-3B. Main target species include: pepper weed, mustard, lambs quarters, curly dock and non-native grasses.

0900: Crew takes a break.

0915: Crew returns to work on DG-3A and side slopes

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-3A and side slopes.

1300: Biologist observes peregrine falcon perched on power pole near dam.

1500: Crew stops work for the day. Approximately 1.2 acres cleared today.

Additional Comments

N/A

Signature





Crew_weed_removal_DG-3A_facingSouth.JPG
-118.1733555555556 34.18740833333333



Peregrine_perched_facingNorth.JPG
-118.1746527777778 34.18538888888889

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	34 °F	0-3 MPH	0 %
End of Day	14:30	54 °F	0-3 MPH	60 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 with Daniel Holmes, foreman, hand-pulling on west side of reservoir.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, AMCR, CATH, CASJ, RCKI, HOFI, CAGO, WREN, NOFL, ACWO, COHA, RSHA, CALT, ANHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Very cold morning after rainy day yesterday. Crew is starting at 'boulder' area South of main parking lot (DG-4A). Open area of mostly bare ground (patchy mule fat and Cal buckwheat), removing sprouts of pepperweed, mustards, tocalote, Erodium, Conium, possible Matricaria (pineapple weed), Italian thistle, Medicago. There appears to be a few paloverde seedlings as well (robust stem with large cotyledons and young pinnate leaves). Virtually no grasses sprouting in this area. No natives observed either. Nearby planted area has Canada horseweed (native) sprouts, but I've not seen any at this location. We are staying in this open area to catch some sunlight and warm up.
1000: Daniel and others were showing me a very small mystery sprout that could be a native sun cup but looks more like Indian plantain, Plantago arenaria (non-native), which was growing in the area last spring. I've confirmed other more likely Indian plantains and have advised to pull those.
1130: Still working in same area but getting further south and into the outlying mule fat to the east.
1300 I'm seeing some small hairy gray unidentified sprouts that resemble Chorizanthe or other Polygonaceae in a sandy patch amongst the mule fat at 34.190771°N 118.174534°W. I'm forwarding the info to Mike Walsh who will be here tomorrow and may know what was growing here last spring.
1400: Crew is done pulling and I get some photos and finish log. Long walk back to car.

Additional Comments

N/A

Signature





photo_1_before_hand-pulling_DG-4A_facingNorth.jpg
-118.17504365 34.19050647222222



photo_2_after_hand-pulling_DG-4A_facingNorth.jpg
-118.17506376666667 34.190566499999996



photo_3_before_hand-pulling_DG-4_facingNorthEast.jpg
-118.1749092888889 34.1908529027778



photo_4_after_hand-pulling_DG-4_facingNorthEast.jpg
-118.17488958333334 34.1908790972222

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: December 15, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	35 °F	0-3 MPH	15 %
End of Day	14:30	57 °F	0-3 MPH	35 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools, weed whacking
3. Gothic Landscaping, crew of 12

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

MODO, NOMO, AMCR, Parrot sp., BLPH, CAGO, MALL, CALT, HOFI, YRWA, ACWO, HUVI, RTHA, AMKE, BUTI, SCJA, WCSP

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0705: Crew begins work on side slopes near the dam targeting mustard sprouts and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work on side slopes.

1200: Crew breaks for lunch.

1230: Crew returns to work on side slopes and begins work in DG-2B and DG-3A.

1430: Crew finishes work for the day.

Additional Comments

N/A

Signature





Invasive_species_removal_Side_Slopes_facingWest.jpg
-118.17419743611111 34.18588283333333



Invasive_species_removal_Side_Slopes_facingNorthEast.jpg
-118.17368702777779 34.18579218333333



Invasive_species_removal_DG-3A_facingNorth.jpg
-118.17333586666668 34.18668899444444

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	37 °F	4-6 MPH	10 %
End of Day	14:30	54 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 removing mustard and poison hemlock sprouts in DG-4 and DG-4A with hand tools and rakes.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, WCSP, LEGO, CAGO, NUWO, RCPA, HOFI, CATH, PUF1, RSHA, BGGN, YRWA, NOFL, ACWO, CAKI, CALT, BEWR, western toad, RCKI, MODO, ANHU, CASJ, CAQU, RTHA, AMKE, California ground squirrel, BUSH, SPTO, OATI, CORA, PEFA, SOSP, DEJU.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed work area, DG-4 and DG-4A near the boulder field, while crew set up. 37 degrees and heavily frosted at start of day, no bird activity for first 10 minutes.

0655: Monitored vegetation clearing in the aforementioned area. Primary targets were poison hemlock and mustard, minimal natives. An unknown seedling (possibly *Camissoniopsis*) was flagged for avoidance.

0845: Walked the mining pit outlet channel. The low flow channel worked, and it appears that water flowed continuously from the mining pit all the way to the basin slope, where it caused significant erosion. Large piles of small woody debris scattered throughout the channel.

1140: Went to east side side to take bi-weekly photo points. Observed juvenile PEFA perched on a rock in the middle of the basin. It chased off a CORA which had been harassing it.

1420: Crew began wrapping up pulling while I inspected the site.

Additional Comments

N/A

Signature





photo_1-pre_weed_pulling_DG-4_facingNorthWest.jpg
-118.17445291666667 34.19079580555555



photo_2-post_weed_pulling_DG-4_facingNorthWest.jpg
-118.17436290555555 34.1907815



photo_3-pre_weed_pulling_DG-4_facingWest.jpg
-118.17527700833334 34.19093333333333



photo_4-post_weed_pulling_DG-4_facingWest.jpg
-118.17527961111112 34.190959236111105

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: December 16, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	39 °F	0-3 MPH	10 %
End of Day	15:00	54 °F	0-3 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 12

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ANHU, YRWA, SCJA, NOFL, RTHA, CALT, ACWO, AMCR, HOFI, AMKE, WEKI, MODO, California ground squirrel, coyote

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 targeting mustard sprouts, tocalote, and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work in DG-1.

1200: Crew breaks for lunch.

1230: Crew returns to work in DG-1 and Johnson Field.

1450: Crew finishes work for the day.

Additional Comments

N/A

Signature





Invasive_species_removal_DG-1_facingNorthWest.jpg
-118.16797390277779 34.19923755555555



Invasive_species_removal_DG-1_facingSouthWest.jpg
-118.16835024444445 34.19709538888888

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	4-6 MPH	0 %
End of Day	14:45	63 °F	0-3 MPH	5 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 removing mustard and poison hemlock sprouts in DG-4, DG-4 sheetflow and DG-4A.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BEWR, CATH, AMCR, RCPA, WCSP, OATI, BLPH, CALT, CASJ, ANHU, WREN, LEGO, NOFL, BGGN, CORA, CAQU, RCKI, RTHA, YRWA, HOFI, BEWR, fox squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4, DG-4 sheetflow and DG-4A, all in the northwestern corner of the boulder field. 5 crew members were working in a planted area of DG-4 next to the boulder field, 5 were working in DG-4 sheetflow just over the hill, and the rest were finishing off the open field (DG-4A). Dominant herbaceous natives were Phacelia spp. and Camissoniopsis sp. Before beginning work, I walked the crew around to show them areas with natives and told them to avoid certain patches with high native density.

0900: Took a look at yesterday's nearby unknown sprout. Too early in development to properly use a dichotomous key, but I suspect it is water stressed Camissoniopsis. Flagged to examine at a later date when flowering.

1100: Photographed area where the channel eroded the basin. Crew had by now mostly finished the planted and open areas, most were working in DG-4 sheetflow.

1435: Crew began wrapping up pulling while I inspected the site. Reminded crew to not tarp twigs and leaf litter from native plants.

Additional Comments

N/A

Signature





photo_1-crew_weeding_during_DG-4_facingNorthEast.jpg
-118.17549436111112 34.19097958333333



photo_2-hauling_pulled_vegetation_DG-4_facingWest.jpg
-118.17544155555557 34.19103127777775



photo_3-before_clearing_vegetation_DG-4_SF_facingSouth.jpg
-118.1756136111112 34.1912253888889



photo_4-after_clearing_vegetation_DG-4_SF_facingSouth.jpg
-118.1755764166667 34.1914087222222

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Kristen Klinefelter
Company: ICF
Date of Log: December 17, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	40 °F	0-3 MPH	5 %
End of Day	15:00	58 °F	0-3 MPH	10 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal
2. Hand pulling/hand tools
3. Gothic Landscaping, crew of 12

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

SCJA, AMCR, Parrot sp., WCSP, YRWA, ACWO, NOFL, HOFI, HUVI, MODO, RTHA, MAKE, California ground squirrel

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrived on site.

0645: Safety meeting with crew.

0720: Crew begins work on DG-1 and DG-8 targeting mustard sprouts, tocalote, and non-native grasses.

0900: Crew breaks.

0915: Crew returns to work in DG-1 and DG-8 and starts work in DG-2 and Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work in DG-2 and Johnson Field.

1450: Crew finishes work for the day.

Additional Comments

NA

Signature





Invasive_species_removal_DG-1_facingNorth.jpg
-118.17056488055556 34.193937166666664



Invasive_species_removal_DG8_facingSouthWest.jpg
-118.17087951666667 34.19367822222222



Invasive_species_removal_DG-2_facingNorth.jpg
-118.1726423333334 34.190307

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	10 %
End of Day	14:45	64 °F	0-3 MPH	45 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 10 hand pulling weeds in DG-4 sheetflow and DG-4.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

BUSH, CALT, RCPA, BLPH, WCSP, OCWA, CORA, CATH, LEGO, RCKI, CASJ, OATI, RCKI, WBNU, CAQU, CAKI, WREN, ACWO, BEWR, NOFL, RTHA, TUVU, California ground squirrel.

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Surveyed site while crew set up.

0655: Monitored vegetation clearing in DG-4 sheetflow and DG-4. Area was mostly poison hemlock mixed in between container plants (Salix woodland alliance) and a couple scattered Cyperus erigrostris. Instructed crew to hand pull areas near basins to avoid removing Cyperus. Very cold, ground was frosted over for several hours.

1000: Surveyed nearby areas for new weed growth.

1030: Resumed monitoring vegetation clearing. Crew was making progress westward, similar vegetation composition.

1430: Crew began wrapping up pulling while I inspected the site/ walked back.

Additional Comments

N/A

Signature





photo_1-pre_vegetation_removal_DG-4_SF_facingEast.jpg
-118.1755393888889 34.19138538888888



photo_2-post_vegetation_removal_DG-4_SF_facingEast.jpg
-118.17548693055556 34.19140247222222



photo_3-pre_vegetation_removal_DG-4_SF_facingWest.jpg
-118.1759228888889 34.191244



photo_4-post_vegetation_removal_DG-4_SF_facingWest.jpg
-118.17595779166668 34.19116444444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 20, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	41 °F	0-3 MPH	30 %
End of Day	15:00	61 °F	0-3 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR

Reptiles: Western fence lizard

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0645: Safety tailgate.

0650: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1500: Crew stops work for the day.

Additional Comments

N/A

Signature





Crew_weed_removal_DG-2_facingNorth.JPG
-118.17259166666668 34.18935

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Michael Walsh
Company: Stillwater
Date of Log: December 21, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	55 °F	0-3 MPH	100 %
End of Day	14:45	66 °F	0-3 MPH	30 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image regular crew of 11 picking up trash and pulling weeds in DG-4 sheetflow.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

ACWO, NUWO, NOFL, CATH, CASJ, CALT, WCSP, HOFI, ANHU, SPTO, WREN, BUSH, BRBL, EUST, OATI, EUCD, BEWR, YRWA, RTHA, California ground squirrel, Fox squirrel, mule deer (track in mud).

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: WEEP trained a new employee, Johnathan.

0720: Crew took a sweep of the site top to bottom to look for trash. I accompanied and surveyed for weed growth.

0930: Monitored vegetation clearing in DG-4 sheetflow. Primary target was poison hemlock. Crew finished central hill area, which was planted with a Salix woodland alliance. Lots of Oenothera and Rubus on ground between container plants, reminded crew to avoid. Monoculture of some unknown sprouts nearby in a graded area. Possibly an aster; nearby Oenothera elata. Told crew to avoid it for now.

1400: Walked foreman Daniel Holmes through the channels to show him damages from flood.

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

Additional Comments

N/A

Signature





photo_1-pre_pulling_DG-4_SF_facingSouth.jpg
-118.17615208333333 34.191285961111106



photo_2-post_pulling_DG-4_SF_facingSouth.jpg
-118.17617007222222 34.19131430555555



photo_3-crew_in_progress_pulling_DG-4_SF_facingNorth.jpg
-118.17616944444445 34.19135616666665

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 21, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	100 %
End of Day	15:00	68 °F	0-3 MPH	40 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 9 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCSP, WCSP, CALT, RTHA, CATH, BUSH, NOFL, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew starts work on DG-2. Main target species include: pepper weed, mustard, poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

1300: Part of the crew removes pile of dead pepper weed in DG-2B.

1440: Crew stops work for the day and takes disposed weeds to dumpster.

Additional Comments

N/A

Signature





Crew_DG-2_facingNorth.JPG
-118.17314166666667 34.18831666666665

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 22, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	100 %
End of Day	15:00	65 °F	0-3 MPH	95 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 10 with Cesar Olmos as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: LCSP, WCSP, SOSP, CALT, CAQU, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, BEWR, ACWO, AMKE

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Half the crew starts work on DG-2 and eastern side slopes. The other half of the crew works on the western side slopes near the dam. Main target species include: pepper weed, mustard, poison hemlock and lambs quarters.

0900: Crew takes a break.

0915: Crew returns to work on DG-2/side slopes.

1200: Crew breaks for lunch.

1230: Half the crew returns to work on DG-2. Other half of the crew returns to western side slopes.

1440: Crew stops work for the day and brings last load to dumpster.

Additional Comments

N/A

Signature





Crew_DG-2_facingNorthEast.JPG
-118.1722638888889 34.1919555555555

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	15 %
End of Day	15:15	65 °F	0-3 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Vegetation clearing in DG-W-2 (Mining Pit) Hand tools, tarps, rakes Nine crew members includes: Natures Image main crew, temp crew, and supervisor Daniel

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CASJ, OATI, RSHA, ACWO, SOSF, BEWR, RCPA, CALT, MODO, CORA, BUSH, SPTO, TUVU, EUST, YRWA, WCSP, CAQU, AMCR, HOFI, RCKI, NUWO, LEGO, ANHU, AMRO, WREN, NOMO, DEJU, BLPH, RSHA, CATH

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

6:45: Biologist and crew arrived onsite for a quick tailboard with foreman Daniel. Majority of the plants proposed to be removed are sprouts. Biologist checked over areas that crews are removing, continuously throughout the day. They are using scrapers to remove top soil on some locations to insure that the non-native root is fully removed, however in sensitive areas they are hand pulling. Biologist used pin flags due to the tiny native sprouts that have been germinating from recent rains. Pin flags could assist crew with identification.

12:00 Similar activities took place after lunch.

15:15: Biologist completed this report, walked around and picked up trash and left site. The crew spent the rest of the day cleaning up and tarping.

Additional Comments

Rain predicted for tomorrow (Thursday, Dec 23) Rain predicted for following week. Observation: Multiple willows (appearing to be only Pacific Willow in the Mining Pit are dead/dying.

Signature





Vegetation_clearing_before_facingSouthWest.jpg
-118.1740885555556 34.19257719444444



VegetationRemoval_during_facingSouth.jpg
-118.17412033333333 34.19250777777778



VegetationClearing_after_facingSouthWest.jpg
-118.1740517777778 34.19263578888886

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	49 °F	0-3 MPH	100 %
End of Day	10:15	50 °F	4-6 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Nature's Image crew of 8 including foreman Daniel Holmes, hand-pulling on west side of Project Area. Rained out after a few hours on-site. Rained out at around 10:15.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CORA, CAQU, CALT

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew meets at south end of service road due to ongoing maintenance at main Hahamongna parking lot.
0700: we head over to main staging area at dirt parking lot since County construction workers are off today and access is okay. We go to east end of DG-W-2-Mining_Pit to pull sprouts of mostly Conium and Hirschfeldia. It has been lightly sprinkling but rain picks up during first break at 830.

1015: with no letup in the rain expected, Daniel calls off the work. Crew is retrieving their tools and otherwise cleaning/packing up.

Additional Comments

N/A

Signature





photo_1-before_hand-pulling_DG-W-2_facingNorthWest.JPG
-118.1739972222223 34.19271111111111



photo_2-after_hand-pulling_DG-W-2_facingNorthWest.JPG
-118.1739722222223 34.19272499999996



photo_3_before_hand-pulling_DG-W-2_facingSouthEast.JPG
-118.1739722222223 34.1924944444444



photo_4_after_hand-pulling_DG-W-2_facingSouthEast.JPG
-118.1738972222222 34.1925194444444

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Scott Werner
Company: Stillwater
Date of Log: December 27, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	40 °F	0-3 MPH	10 %
End of Day	13:30	48 °F	0-3 MPH	100 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 9 including foreman Daniel Holmes.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

CATH, CORA, OATI, YRWA, WCSP, CALT, HOFI, WREN, BEWR, LEGO, RCKI, ACWO, NOFL, ANHU, SPTO, MODO, CANG, ALHU

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Crew is continuing hand-pulling at DG-W-2 Mining Pit. Pulling sprouts of primarily Conium and Hirschfeldia. There are a few native Erigeron canadensis coming up which I am pointing out. Daniel was curious if native cocklebur in lower Mining Pit needs to be thinned out. I checked it out and didn't think it required much if any removal if the goal is to get more sunlight to soil-level, considering the dead annual cocklebur will decay more as winter goes on. There is, however, a lot of perennial pepperweed sprouting there. It will be good to remove those and any other non-native weeds in this saturated area for willow seeds to sprout there in late winter/spring.

1230: Light rain starts.

1330: Gets heavier, work is likely done so I am leaving (any further work will be tarping).

Additional Comments

Rain after 12:30.

Signature





photo_1-before_hand_pulling_DG-W-2_facingNorthEast.jpg
-118.17396691666667 34.19291258333333



photo_2_hand_pulling_DG-W-2_facingEast.jpg
-118.17402768055555 34.19290902777777



photo_3-after_hand_pulling_DG-W-2_facingNorthEast.jpg
-118.17397436944445 34.19294208333333

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	35 %
End of Day	14:45	50 °F	0-3 MPH	70 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

Natures Image crew of 12 hand pulling weeds in DG-W-2 mining pit.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

WREN, CASJ, NUWO, AMCR, CATH, WCSP, RCPA, BEWR, AMWI, CAGO, WODU, MALL, ANHU, SPTO, BGGN, ACWO, CAQU, CORA, LEGO, CALT, EUST, BUSH, HOFI, desert cottontail, RCKI, SAPH, SOSP, NOFL, MODO, RNDU, AMCO, OATI, YRWA, STJA, CAKI, California ground squirrel, fox squirrel, RSHA, KILL, RTHA, MALL (domestic).

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0645: Brief tailboard meeting with crew regarding the plan for the day.

0655: Monitored vegetation clearing in DG-W-2 mining pit. Crew was working north up the channel, fanning east and west of it as they went. Primary targets were mustard and poison hemlock. Numerous native sprouts- several Phacelia, Eriodyction crassifolium, Achillea millefolium, etc. crew was briefed on identifying everything, certain areas were flagged off and crew was closely watched. Areas with numerous intermixed natives were hand pulled, and areas with primarily only natives were avoided altogether.

0800: Walked to slope to examine basin- Arroyo was still flowing, high water mark made it about halfway up the basin from north to south. Lots of waterfowl utilizing habitat, including wood ducks.

0830: Resumed monitoring vegetation clearing.

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

Additional Comments

N/A

Signature





photo_1-pre_vegetation_clearing_mining_pit_facingEast.jpg
-118.17400591666667 34.19297740555555



photo_2-post_vegetation_clearing_mining_pit_facingEast.jpg
-118.17400266666667 34.19302195833333



photo_3-pre_vegetation_clearing_mining_pit_facingNorthWest.jpg
-118.1741158888889 34.19323311111105



photo_4-post_vegetation_clearing_mining_pit_facingNorthWest.jpg
-118.17419013888889 34.19326861111111

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 28, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	41 °F	0-3 MPH	40 %
End of Day	15:00	51 °F	4-6 MPH	80 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 7 with Freddy Quintana as crew lead. Scott Rose came for the morning.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, CALT, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, RTHA, MAKE, BEWR, PEFA, LEGO

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew works in DG-2 pulling weeds and collecting and storing plant cages. Main target species include: pepper weed, mustard, poison hemlock. Scott, Freddy and biologist walk the site and inspect work/erosion that occurred from rain from the previous day.

0900: Crew takes a break.

0915: Crew returns to work on DG-2.

1130: Biologist observes a Canada goose kill in DG-2. It appears to have been predated by a coyote.

1200: Crew breaks for lunch.

1230: Crew returns to work on DG-2.

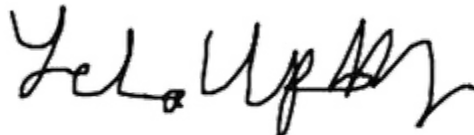
1320: Biologist identifies peregrine falcon in DG-2B preening in snag next to eucalyptus.

1440: Crew stops work for the day and brings last load to dumpster. Approximately 0.76 acres cleared today.

Additional Comments

Rained heavily the previous day. Basin is very full.

Signature





Reservoir_full_facingSouthWest.JPG
-118.1734777777778 34.1870277777777



Peregrine_in_snag_DG-2B_facingNorthEast.JPG
-118.1726972222223 34.1888361111111

Devil's Gate Biological Monitoring Log
Biologist/Monitor: Lela Updegrave
Company: ICF
Date of Log: December 31, 2021

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	45 °F	4-6 MPH	20 %
End of Day	15:00	59 °F	4-6 MPH	90 %

What Type of Monitoring is Being Conducted?

Restoration Monitoring

Construction Activity:

1. Invasive species removal.
2. Hand pulling/hand tools.
3. Gothic Landscaping. Crew of 5 with Francisco Lazaro as crew lead.

Did you observe any special-status species? Yes No

Were any least Bell's Vireo detected? Yes No

List of species observed while monitoring:

Birds: WCSP, NOMO, BEWR, CALT, CATH, YRWA, CASJ, HOFI, AMCR, CORA, RCKI, MAKE, AMWI, MALL, CAGO, ANHU, SOSP, BUFF

Did You Observe any Non-Compliance Issues? Yes No

Log Entry

0630: Arrive on site.

0640: Safety tailgate.

0650: Crew works in Johnson Field. Main target species include: erodium, mustard, and poison hemlock.

0900: Crew takes a break.

0915: Crew returns to work on Johnson Field.

1200: Crew breaks for lunch.

1230: Crew returns to work on Johnson Field.

1440: Crew stops work for the day and brings last load to dumpster. Approximately 0.5 acres cleared today.

Additional Comments

Basin extremely full after 2 days of rain.

Signature





Basin_full_facingNorth.JPG
-118.1750805555557 34.1853972222222



Crew_weed_removal_JohnsonField_facingEast.JPG
-118.1713333333334 34.1910805555555